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Chemical Analysis of Interstate Carrier Water Supply Systems

Environmental Protection Agency

October 1973

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Interstate Quarantine Regulations require that water supply systems serving planes, trains, buses, and vessels engaged in interstate commerce comply with certain minimum health and safety standards, as set forth in the Public Health Service Drinking Water Standards (1962). The EPA published "A Guide to the Interstate Carrier Water Supply Certification Program," in June 1971, which was revised in 1973. The Guide compiled various policies and procedures that had been developed over the years and provided a specific basis for classification depending upon the degree of compliance with the Drinking Water Standards. This publication consists of the most recent chemical data submitted by the EPA regional offices on the interstate carrier reporting forms through August 17, 1973. The data have either been furnished by the State agencies concerned with the certification program or are from analyses performed by EPA laboratories.

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SPRINGFIELD, VA. 22161

U.S. ENVIRONMENTAL PROTECTION AGENCY

CHEMICAL ANALYSIS OF
INTERSTATE CARRIER
WATER SUPPLY SYSTEMS

OCTOBER 1973

U.S. ENVIRONMENTAL PROTECTION AGENCY

FOREWORD

Under Reorganization Plan #3 of 1970, the Environmental Protection Agency (EPA) was established and assigned the responsibility of certifying water supply systems serving interstate carriers. This responsibility was formerly vested in the Public Health Service, Dept. of Health, Education, and Welfare as authorized by Public Law 410 of the 78th Congress, Section 361 of the PHS Act, as amended, and the Interstate Quarantine Regulations.

Interstate Quarantine Regulations require that water supply systems serving planes, trains, buses, and vessels engaged in interstate commerce comply with certain minimum health and safety standards, as set forth in the Public Health Service Drinking Water Standards (1962). The EPA published "A Guide to the Interstate Carrier Water Supply Certification Program," in June 1971, which was revised in 1973. This Guide compiled various policies and procedures that had been developed over the years and provided a specific basis for classification depending upon the degree of compliance with the Drinking Water Standards (DWS). Systems are certified annually based on data and recommendations submitted by the States. Systems in substantial compliance with the DWS are classified as Approved; those with significant deviations from the quality, surveillance, facilities or operational requirements of the Standards are Prohibited. A Provisionally Approved classification may be granted if it is judged that the deviations, although significant,

do not pose an imminent and substantial danger to health. EPA's Inventory of Interstate Carrier Water Supply Systems, which is published each January 1 and July 1, provides the classification status of all interstate carrier water supply systems. Whenever a system is prohibited, immediate notice is given to the Food and Drug Administration, who advises the various carriers that they may no longer take on water from the system in question.

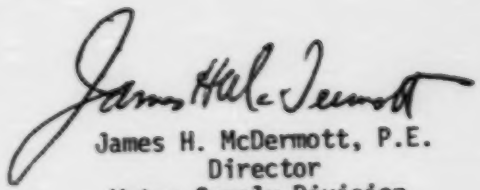
This publication consists of the most recent chemical data submitted by the EPA regional offices on the interstate carrier reporting forms through August 17, 1973. The data have either been furnished by the State agencies concerned with the certification program or are from analyses performed by EPA laboratories. More recent chemical data may be available and can be obtained by contacting the State health department concerned or the EPA regional office.

Iron and total dissolved solids are the two most common constituents that failed the limits of the DWS. The substances that have failed the constituent limits of the DWS for a recommended or mandatory limit are flagged accordingly. Occasionally, concentrations are less than the detection limit of the analytical method used and the results are expressed "<", less than the stated limit of detection. When the limit of detection of the analytical method used is greater than the DWS limit, it is impossible to determine whether or not the substance meets the constituent limit of the DWS. Those substances expressed as "<", a value greater than the DWS limit are flagged with a "?". Fluorides are not flagged because the DWS limits vary with the

temperature and would require each entry to be checked separately. The current DWS does not contain limits for sodium, alkalinity, hardness, pH, mercury, or carbon alcohol extract (CAE). However, proposed limits for the last two substances have been prepared. Mercury concentrations failing to meet the proposed value are flagged. CAE concentrations that fail the proposed value are not flagged because the printout reflects data from two measurement methods and each method has different sensitivities. The proposed CAE limit of 3.0 milligrams per liter (mg/l) is for data determined by using a miniaturized sampler and extraction technique. There was no CAE limit for the technique recommended in the 13th edition of "Standard Methods for the Examination of Water and Wastewater". Table I summarizes chemical and related water quality criteria and the effects of the constituents in drinking water. Table II summarizes the extent of non-compliance with the DWS. When there are both recommended and mandatory limits for a single constituent, Table II shows only the number of supplies failing the mandatory limit.

Questions relating to the Interstate Carrier Water Supply Certification program and this publication should be directed to the appropriate Environmental Protection Agency regional office, listed inside the back cover, or to:

Mr. Roger D. Lee, Chief
Surveillance and Technical Assistance Section
Program Operations Branch
Water Supply Division, EPA



James H. McDermott, P.E.
Director
Water Supply Division

TABLE I
CHEMICAL AND RELATED WATER QUALITY CRITERIA

Chemical Substance	Recommended* Limit (mg/l)	Mandatory* Limit (mg/l)	Effect
Alkyl Benzene Sulfonate (ABS)	0.5		May cause undesirable taste and foaming. Indicative of sewage pollution.
Arsenic (As)	0.01	0.05	Toxic. Poisoning is cumulative and frequently fatal.
Barium (Ba)		1.0	Toxic. Affects heart, blood vessels, and nerves.
Cadmium (Cd)		0.01	Toxic. May cause vomiting. Responsible for adverse renal arterial changes in man.
Chloride (Cl)	250.		Chlorides cause unpleasant taste.
Chromium (Hexavalent) (Cr^{+6})		0.05	Toxic
Copper (Cu)	1.0		May impart an undesirable taste and cause vomiting. Causes a blue stain to fixtures.
Carbon Chloroform Extract (CCE)	0.2		Indicator of organic residues (man made and natural).
Carbon Alcohol Extract (CAE)***		3.0	Indicator of organic residues (man made and natural).
Cyanide (CN)	0.01	0.2	Toxic
Fluoride (F)	0.8-1.7**	1.4-2.4**	Aids in prevention of dental caries. Excessive fluoride may cause mottled and discolored teeth.

Iron (Fe)	0.3		Bitter or astringent taste. Water may be brownish and could discolor laundry and stain fixtures.
Lead (Pb)		0.05	Toxic. Poisoning is cumulative and may be fatal.
Manganese (Mn)	0.05		Impairs taste of beverage including coffee and tea. Produces a brownish color in laundered goods.
Mercury (Hg)***		0.002	Toxic. Has long retention time within the human body and has serious effects on the human nervous system and the brain, and damages developing human tissue.
Nitrate (NO_3)	45.		Toxic. Nitrate poisoning may occur in infants during first few months of life.
Selenium (Se)		0.01	Toxic. May increase incidence of dental caries. A potential carcinogen.
Silver (Ag)		0.05	Imparts a permanent blue-grey discoloration to the skin, eyes, and mucous membrane.
Sodium****			Has been implicated in hypertension and heart disease.
Sulfate (SO_4)	250.		Unpleasant taste. Acts as a laxative. Makes coffee bitter.
Total Dissolved Solids (TDS)	500.		May cause unpleasant taste.
Zinc (Zn)	5.		Zinc salts may impart a milky appearance to the water or a metallic taste.

Related Factors

pH (Hydrogen Ion Concentration)****	7.0-8.5	(World Health Orgn. - International) 1963	pH may interfere with effective disinfection. Wide variations from a neutral pH are indicative of pollution. Water with a pH less than 6.5 is corrosive and could remove metals from pipe such as lead.
Alkalinity (as $CaCO_3$)****	30-500	(EPA, Water Quality Criteria)	High alkaline waters are unpalatable.
Hardness (as $CaCO_3$)****	80-100	(American Water Works Association Goal)	Hard waters require large amounts of soap to produce foam or lather. Hard water toughens vegetables cooked in it, and forms scales in boilers, water heaters, pipes, and utensils.

*U.S. Public Health Service Drinking Water Standards (1962)
Recommended limit should not be exceeded where other more suitable supplies are or can be made available.
Mandatory limit, when exceeded, constitutes grounds for rejection of the supply.
**Range depends on temperature
***Proposed for 1973 Federal Drinking Water Standards
****No Federal Standard established

TABLE II

EXTENT OF NON-COMPLIANCE WITH
1962 USPHS DRINKING WATER STANDARDS

SUBSTANCE	ANALYSES* REPORTED	SAMPLES FAILING DWS RECOMMENDED LIMIT		SAMPLES FAILING DWS MANDATORY LIMIT		SAMPLES WHOSE MINIMUM DETECTABLE LIMIT IS HIGHER THAN THE DWS	
		NO.	%	NO.	%	NO.	%
ABS	282	5	1.8			1	0.4
Arsenic	501						
Barium	405					12	2.2
Cadmium	541						
Chloride	641	17	2.7				
Chromium	535			2	0.4	5	0.9
Copper	555	2	0.4				
CCE	47	6	12.7				
CAE***	19						
Cyanide	237						
Fluoride**	633					1	0.2
Iron	652	65	10.0			8	1.5
Lead	544			1	0.2		
Manganese	623	46	7.4			8	1.3
Mercury***	389			6	1.5	32	8.2
Nitrate	582						
Selenium	344					1	0.3
Silver	411					3	0.7
Sulfate	592	27	4.6				
TDS	575	75	13.0				
Zinc	523	1	0.2				

* Total sampling points - 702
** DWS varies with temperature and not flagged
*** Proposed for 1973 Federal Drinking Water Standards

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 01

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
CONNECTICUT											
BRIDGEPORT HYDRAULIC COMPANY	.000	.9		.000		14		.000		.020	
DANBURY						10					
GROTON	.000	.2		.000		13		.000		.030	
HARTFORD (METRO DIST COMM OF HARTFORD CO)	.000	.0		.000		4		.000		.040	
NEW HAVEN WATER COMPANY		.1				6					
NEW LONDON	< .005	.0	< .050	.000	.600*	8	1.000	.000	< .005	.260	.000
STAMFORD WATER COMPANY	.000	.0		.000		19		.000		.070	
WATERBURY						11					
WINDSOR LOCKS(BRADLEY INTERNAT.AIRPORT)		.1				2					
MAXIMUM	.000	.9		.000	.600	19	1.000	.000		.260	.000
MINIMUM	.000	.0	.050	.000	.600	2	1.000	.000	.005	.020	.000
NO. FAILING *	0	0	0	0	1	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	5	7	1	5	1	9	1	5	1	5	1
STATE TOTAL 9											
MAINE											
BANGOR WATER DISTRICT		.0				2					
BAR HARBOR WATER COMPANY						< 10					
BUCKSPORT (BUCKSPORT WATER CO.)		.0				10					
PORTLAND WATER DISTRICT						3					
SEARSPORT WATER DISTRICT		.0				10					
WISCASSET WATER COMPANY		< 1.0				15					
MAXIMUM		.0				15					
MINIMUM		.0				2					
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	0	4	0	0	0	6	0	0	0	0	0
STATE TOTAL 6											
MASSACHUSETTS											
BOSTON	.000	.2	.000	.000		11		.000		.020	.000
CHELSEA	.000	.3	.000	.000		11		.000		.020	.000
EVERETT	.000	.3	.000	.000		12		.000		.010	.000
FALL RIVER WATER WORKS	.000	.0	.000	.000		15		.00		.030	.000
FALMOUTH	.000	.0	.000	.000		13		.000		.030	.000

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 01

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														CONNECTICUT
		.9				1.80*	33.0	.010	49		7.10	.000	100	0109057800010
		1.0					26.0		52		7.30			0109166600010
		.8				.20	80.0	.000	34	.010	6.70	.000		0109309500060
		.9				.00	15.0	.010	18		6.80	.000		0109336700020
		1.0				.02	15.9		39	.000	6.50		73	0109472600050
.000	3		8	.04	.020	.13	9.0	.000	13	.010	7.60	.001	55	0109476000060
		1.1				.10	.0	.020	45	.070*	6.90	.000		0109771800010
		1.0				.10	18.0		40					0109870400050
	14					.00	75.0		130	.000	7.90			0109948610020
.000	14	1.1	8	.04	.020	1.80	80.0	.020	130	.070	7.90	.001	100	MAXIMUM
.000	3	.8	8	.04	.020	.00	.0	.000	13	.000	6.50	.000	55	MINIMUM
0	0	0	0	0	0	1	0	0	0	1	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
1	2	7	1	1	1	8	9	5	9	5	8	5	3	NO. ANALYZED
														9 STATE TOTAL
														MAINE
		1.0				.03	8.7		20	.020	7.50			0123034500100
		1.1				.04			20	.000	7.40			0123036000050
		1.0				.15			42	.020	7.40			0123108000050
		.0	9	1.5 *		.06	5.3		34	.000	8.60		45	0123690100030
						.04			16	.000	7.80			0123763500140
				.15		.30			64	.320*	6.80			0123990000080
		1.1	9	1.5		.30	8.7		64	.320	8.60		45	MAXIMUM
		.0	9	.15		.03	5.3		16	.000	6.80		45	MINIMUM
0	0	0	0	1	0	0	0	0	0	1	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	4	1	2	0	6	2	0	6	6	6	0	1	NO. ANALYZED
														6 STATE TOTAL
														MASSACHUSETTS
	6	.0	10	.20	.140	.05	10.0	.000	14	.010	7.10	.000	50	0125079900130
	6	.0	7	.00	.190	.14	8.0	.000	14	.010	6.80	.000	60	0125131500130
	6	.0	6	.00	.000	.36*	7.0	.060$	15	.010	6.80	.000	60	0125251800090
	7	.0	13	.00	.020	.40*	3.0	.000	16	.030	5.00	.000	70	0125255000030
	9	.0	4	.20	.010	.14	10.0	.010	12	.000	6.60	.000	30	0125256800010

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 01

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
MASSACHUSETTS											
NANTUCKET (WANNACOMET WATER CO.)	.000	.0	.000	.000		17		.000	< .005	.000	.000
NEW BEDFORD	.000	.0	.000	.000		17		.000		.006	.000
QUINCY	.000	.3	.000	.000		17		.000		.360	.000
REVERE	.000	.0	.000	.000		11		.000		.150	.000
SALEM (SALEM-BEVERLY WATER SUPPLY BOARD)	.000	.2	.000	.000		43		.000		.020	.000
SOMERSET	.000	.1	.000	.000		10		.000		.000	.000
SPRINGFIELD	.000	.1	.000	.000		12		.000		.120	.000
TEMPLETON	.000	.6	.000	.000		23		.000		.080	.000
TISBURY	.000	.0	.000	.000		10		.000		.440	.000
WEYMOUTH	.000	.0	.000	.000		24		.000		.150	.000
WORCESTER	.000	.1	.000	.000		11		.000		.000	.000
MAXIMUM	.000	.6	.000	.000		43		.000		.440	.000
MINIMUM	.000	.0	.000	.000		10		.000	.005	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	16	16	16	16	0	16	0	16	1	16	16
STATE TOTAL 16											
NEW HAMPSHIRE											
MANCHESTER		< .1				15				< .100	
PORTSMOUTH		.1				27				.010	
MAXIMUM		.1				27				.010	
MINIMUM		.1				15				.010	
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	0	2	0	0	0	2	0	0	0	2	0
STATE TOTAL 2											
RHODE ISLAND											
EAST PROVIDENCE		.0		.001		17		.010		.000	.010
PROVIDENCE		.0		.001		17		.010		.000	< .200?
TIVERTON (NORTH TIVERTON FIRE DIST.)		.0				12					

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														MASSACHUSETTS
	12	.0	4	.20	.100	.10	26.0	.000	30	.000	6.90	.000	92	0125499800010
	15	.0	8	.26	.010	.00	14.0	.030	12	.050	6.70	.000	80	0125503200030
	9	.0	10	.00	.010	.13	8.0	.010	21	.030	6.50	.000	110	0125634300110
	6	.0	4	.20	.010	.20	5.0	.010	13	.020	6.40	.000	80	0125642700150
	22	1.0	33	.00	.050	.04	25.0	.000	65	.070*	7.00	.000	180	0125668100050
	15	1.1	28	.00	.020	.27	21.0	.000	25	.000	7.40	.000	130	0125707300030
	7	.0	9	.10	.050	.08	6.0	.000	13	.010	6.50	.000	63	0125782000070
	10	.6	6	.10	.011	.00	26.0	.000	38	.000	7.10	.000	89	0125809300140
	8	.0	4	.03	.010	.10	12.0	.010	7	.010	6.70	.000	46	0125814500040
	13	.7	32	.00	.090	.03	11.0	.000	38	.020	6.60	.000	128	0125931700110
	6	.0	12	.00	.001	.14	3.0	.000	16	.030	6.50	.000	63	0125962200140
	22	1.1	33	.26	.190	.40	26.0	.060	65	.070	7.40	.000	180	MAXIMUM
	6	.0	4	.00	.000	.00	3.0	.000	7	.000	5.00	.000	30	MINIMUM
0	0	0	0	0	0	2	0	0	0	1	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	1	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	16	16	16	16	16	16	16	16	16	16	16	16	16	NO. ANALYZED
														16 STATE TOTAL
														NEW HAMPSHIRE
						.27			24	< .050	6.70			0133480000060
						.30			76	.050	6.90			0133690000080
						.30			76	.050	6.90			MAXIMUM
						.27			24	.050	6.70			MINIMUM
						0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO. ANALYZED
0	0	0	0	0	0	2	0	0	2	2	2	0	0	2 STATE TOTAL
														RHODE ISLAND
	8	1.0	14	.00	.000	.00	14.0	.009	32	.000	10.00		75	0144252100040
	8	1.0	7	.00	.000	.03	12.0	.009	32	.000	10.00		76	0144714000040
	6	.1	12	.00		.40*	1.5		25	.090*	5.90		54	0144812000030

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LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
RHODE ISLAND											
MAXIMUM		.0		.001		17		.010		.000	.010
MINIMUM		.0		.001		12		.010		.000	.010
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	1
NO. ANALYZED	0	3	0	2	0	3	0	2	0	2	2
STATE TOTAL 3											
VERMONT											
BURLINGTON	.000	.3		.000		8		.000		.200	.000
RUTLAND	.000	.5		.000		8		.000		.100	.000
WHITE RIVER JUNCTION (HARTFORD WATER CO.)		.3		.000		7					.000
MAXIMUM	.000	.5		.000		8		.000		.200	.000
MINIMUM	.000	.3		.000		7		.000		.100	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	2	3	0	3	0	3	0	2	0	2	3
STATE TOTAL 3											
MAXIMUM	.000	.9	.000	.001	.600	43	1.000	.010		.400	.010
MINIMUM	.000	.0	.000	.000	.600	2	1.000	.000	.005	.000	.000
NO. FAILING *	0	0	0	0	1	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	1
NO. ANALYZED	23	35	17	26	1	39	1	25	2	27	22
REGION TOTAL 39											

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 01

CYANIDE .2*	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05*	HARDNESS	MANGANESE .05*	PH	MERCURY .002*	TDS 500*	ID NO.
														RHODE ISLAND
	8	1.0	14	.00	.000	.40	14.0	.009	32	.090	10.00		76	MAXIMUM
	6	.1	7	.00	.000	.00	1.5	.009	25	.000	5.90		54	MINIMUM
	0	0	0	0	0	1	0	0	0	1	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	3	NO. ANALYZED
0	3	3	3	3	2	3	3	2	3	3	3	0		3 STATE TOTAL
														VERMONT
					.100	.00	48.0	.000	68	.000	7.20	.001	85	0150100800040
	6	1.3			.100	.00	12.0	.000	36	.000	7.50	.000		0150660800110
	5	.0			.000	.00	108.0	.010	2	.930*	7.70	.000		0150935250140
	4	.1												
	6	1.3			.100	.00	108.0	.010	68	.930	7.70	.001	85	MAXIMUM
	4	.0			.000	.00	12.0	.000	2	.000	7.20	.000	85	MINIMUM
	0	0	0	0	0	0	0	0	0	1	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	1	NO. ANALYZED
0	3	3	0	0	3	3	3	3	3	3	3	3		3 STATE TOTAL
.000	22	1.3	33	1.5	.190	1.80	108.0	.060	130	.930	10.00	.001	180	MAXIMUM
.000	3	.0	4	.00	.000	.00	.0	.000	2	.000	5.00	.000	30	MINIMUM
0	0	0	0	1	0	4	0	0	0	5	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	1	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	24	NO. ANALYZED
1	24	33	21	22	22	38	33	26	39	35	38	24		39 REGION TOTAL

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 02

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
NEW JERSEY											
BAYONNE	.003	8.8	.000	.000		7		.000		.000	.000
CAMDEN	.011	15.5	.000	.000	.003	39	.000	.000	.000	.000	.000
ELIZABETH	.000	9.0	.000	.001		9		.000		.000	.000
ELIZABETH (ELIZABETHTOWN WATER CO.)	.011	13.3	.000	.000		20		.000		.250	.000
GREENWICH TWP. (MOBIL OIL CO.,INC.)	.000	.0	.000	.000	.000	146		.000	.000	.050	.000
HACKENSACK WATER COMPANY	.006	17.7	.000	.000		44		.000		.080	.000
HOBOKEN	.011	11.0	.000	.000		22		.000	.000	.060	.000
JERSEY CITY	.011	11.0	.000	.000		21		.000	.000	.010	.000
KEARNY	.000		.000	.000		8		.000		.040	.000
LOWER TWP. (TOWNSHIP OF LOWER N.U.A.)	.004	6.6	.000	.000		21		.000		.040	.000
MECHANTVILLE (PENNSAUKEN WATER COMM.)	.003	31.0	.000	.001	.000	11	.000	.000	.001	.040	.000
NEWARK	.027		.000	.002	.000	15	.000	.000	.002	.000	.000
NANAQUE (N.JERSEY DIST. WATER SUPPLY COM)	.003	8.8	.000	.000	.000	7	.000	.000	.000	.000	.000
NORTH HANOVER (WRIGHTSTOWN-DOBBS HOUSE)	.016	8.9	.000	.000		6		.000		.760	.000
OCEAN CITY (N.J. WATER CO., O.CITY DIST.)	.023	.0	.000	.000		13		.000		.000	.000
PAULSBORO	.000	.0	.000	.000	.001	71	.000	.000	.006	.000	.000
PEMBERTON BOROUGH		.0				7					
PERTH AMBOY	.000	13.0	.000	.000		10		.000	.000	.10	.000
PENNSVILLE TWP(E.I.DUPONT DE NEMOURS)	.003	13.3	.000	.000	.000	28		.000		.470	.000
SOMERVILLE (SOMERVILLE WATER COMPANY)	.003	11.0	.000	.000	.000	22	.000	.000	.000	.180	.000
TRENTON	.000	13.0	.000	.000		21		.000	.000	.040	.000
WEST DEPTFORD TWP.	.000	11.0	.000	.000		15		.000		.000	.000
WEST DEPTFORD (TEXACO, INC.)	.023	.0	.000	.000	.000	18		.000	.001	.000	.000
WOODBRIDGE (MIDDLESEX WATER COMPANY)	< .005	10.0	< .050	.000		16		.000	< .005	< .240	.000
WRIGHTSTOWN	.025	8.9	.000	.000		7		.000		.000	.000
MAXIMUM	.027	31.0	.000	.002	.001	146	.000	.000	.006	.760	.000
MINIMUM	.000	.0	.000	.000	.000	6	.000	.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	24	23	24	24	9	25	6	24	13	24	24
STATE TOTAL 25											
NEW YORK											
ALBANY	.001	.0	.009	.000		14		< .002	.000	.014	.000
AUBURN	.000	.8	.034	.000	.004	9		.004	.003	.005	.000
BATAVIA	.002	.9	.011	.000		23		.006	.003	.001	< .001
BIG FLATS (CHEMUNG COUNTY AIRPORT)	< .030	1.2				8					
BINGHAMTON	.000	.2	.030	.000		8		< .003	.005	.034	.000
BUFFALO	< .010	< .9	< .100	< .001		26		< .020	< .010	< .010	< .020
CLINTON VILLAGE	.000	4.3	.097	.000		23		.009	.004	.019	< .005
CROTON-ON-HUDSON	.001	.5		.000		22			.003	.050	

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 02

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														NEW JERSEY
.000	5	.0	11	.00	.025	.16	22.0	.020	40	.000	8.50	.001	58	0234079500090
.000	28	.0	60	.00	.125	.64*	71.0	.050	55	.900*	6.40	.001	322	0234126000040
.000	4	.0	13	.00	.025	.00	29.0	.000	52	.000	8.70	.000	96	0234237000200
.000	8	.0	45	.00	.120	.20	60.0	.020	100	.000	7.50	.000	178	0234237100200
.000	118	.1	6	.00	.025	1.76*	49.0	.030	11	.010	6.20	.000	308	0234316000080
.000	34	.0	49	.00	.050	.00	92.0	.020	40	.000	7.90	.002	272	0234322600020
.000	11	.0	24	.00	.050	.40*	35.0	.040	92	.000	6.80	.000	122	0234367500090
.000	11	.0	24	.00	.050	.40*	35.0	.020	90	.010	6.80	.000	120	0234387000090
.000	4	.0	12	.00	.000	.58*	26.0	.020	32	.000	8.40	.000	68	0234394700090
.027	29	.0	2	.00	.050	.20	150.0	.010	38	.010	8.10	.002	204	0234462400040
.000	18	.0	7	.00	.050	.04	39.0	.020	16	.000	7.00	.000	108	0234502700040
.023	4	.0	1	.00	.100	.40*	.0	.003	24	.000	7.30	.000	84	0234567000070
.000	5	.0	11	.00	.025	.16	22.0	.020	40	.010	8.50	.001	58	0234596900160
.000	3	.1	11	.00	.050	.30	80.0	.000	52	.000	8.00	.000	156	0234597400030
.000	25	.1	7	.00	.000	.00	82.0	.030	44	.000	7.60	.000	180	0234607500050
.000	18	.0	27	.00	.050	.80*	22.0	.000	50	.020	6.60	.000	120	0234645000080
	3	.2	0	.00		.16	95.0		72	.000	7.70		132	0234649500030
.000	6	.6	24	.00	.100	.20	41.0	.030	100	.000	7.3	.000	176	0234658500120
.000	48	.0	46	.00	.000	.20	72.0		92	.000	7.40	.000	238	0234739050580
.000	10	.0	44	.00	.050	.00	52.0	.000	96	.000	7.90	.000	154	0234756000180
.000	8	.9	23	.00	.130	.00	54.0	.030	120	.000	7.50		190	0234855000110
.000	41	1.1	4	.00	.000	.30	132.0	.020	148	.000	7.50	.000	186	0234886800080
.010	38	.4	4	.00	.050	1.38*	125.0		84	.040	7.30	.000	194	0234900010080
< .020	16	< .1	54	.25	.430	.09		.000		.020	7.10	< .001		0234922600120
.013	9	.7	15	.00	.350	.40*	47.0	.030	76	.040	7.10	.000	86	0234931500030
.027	118	1.1	60	.25	.430	1.76	150.0	.050	148	.900	8.70	.002	322	MAXIMUM
.000	3	.0	0	.00	.000	.00	.0	.000	11	.000	6.20	.000	58	MINIMUM
0	0	0	0	0	0	9	0	0	0	1	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
24	25	25	25	25	24	25	24	22	24	25	25	23	24	NO. ANALYZED
														25 STATE TOTAL
														NEW YORK
.000	6	.1	19	.03	< .080	.10	.0	< .002	56	< .001	8.00	.000	81	0236006000010
.010	4	.0	18		.230	.04	111.0	.003	128	< .010	7.90	< .001	156	0236037000060
.000	10	1.0	50	.00	.250	.03	11.7	.003	58	.003	9.40	< .001	134	0236052000190
< .100		.2	34			< .02	147.0		180	< .010	7.90		258	0236068510080
.000	23	1.1	21		< .110	.04	53.0	< .003	82	.010	7.40	< .005?	96	0236070500040
.020	11	1.1	27	< .01	< .020	< .05	84.0	< .010	128	< .020	7.70	< .001	196	0236102500150
	14	1.0	57		< .630	.04	249.0	< .007	430	< .010	7.50	< .005?	460	0236166000330
.000	8	.1	21		.010	.05	79.0		94	.010	7.20	.005$	154	0236202000600

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 02

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
NEW YORK											
BUFFALO (ERIE COUNTY WATER AUTHORITY)	< .010	< 1.2	< .100	< .001		27		< .020	< .010	< .060	< .020
FREDONIA	.004	.3	.094	.000		7		< .002	.000	.004	.003
HUDSON	< .050	.2	< .500	.000		4		.000	.000	.000	.000
JAMESTOWN	.002	< .3	.330	.000		12		< .004	.002	.250	< .001
JOHNSON CITY		1.8				50					
KINGSTON	.001	44.0	.006	.000		1		.001	.000	.005	.000
TOWN OF COLONIE (LATHAM WATER DIST.)	.001	.7	.022	.000		22		.002	.000	.004	< .001
LIBERTY VILLAGE	< .005	1.0	.100	9 .005		27		< .005	.000	.320	< .030
T. LLOYD (HIGHLAND WATER DIST.)		.5				15					
LOCKPORT	< .005	< 1.0	< .050	.000	.500*	25	2.200	.000	< .005	.000	.000
LYNBROOK (LONG ISLAND WATER CORPORATION)		.0				3		.000		.000	
NEW YORK CITY	< .001	1.0	.050	.000		5		.000	.002	.000	.000
NIAGARA FALLS	< .005	< 1.0	< .050	.000	.500*	24	1.800	.000	< .005	.040	.000
OAKDALE (SUFFOLK COUNTY WATER AUTH)	.000	2.5	.001	.000		5		.001	.004	.000	< .001
OLEAN	.000	1.5	.026	< .015?		4		< .002	< .004	.003	.000
ONEONTA	.000	.8	.007	.000		3		< .001	.000	.003	.000
EAST SYRACUSE (ONONDAGA COUNTY W. AUTH.)	< .030	.5	< .300	< .500?		7		< .050	< .010	.030	< .030
OSWEGO	.000	.2		.000		27			.000		
PEEKSKILL	.004	.4		.000		25			.002	.030	
RENSSELAER	.000	.3	.023	.000		6		.001	.003	.004	< .002
ROCHESTER	< .004	.6		.000		33		< .002	.001	< .002	
ROCHESTER (HEMLOCK LAKE PLANT)	< .004					24		< .002	< .001	.002	
ROME	.000	.4	.012	.000		0		.001	.007	.110	.000
SCHENECTADY	.000	.0	.041	.000		19		< .006	.002	.160	< .001
SYRACUSE	.001	2.2	.022	.000		5		< .003	.000	.068	< .000
UTICA	.004	.8	.012	.000		3		.001	.000	.009	.000
WHITE PLAINS	.001	.2		.000		9			.000		
YONKERS	.000	.7		.000		49			.000		
MAXIMUM	.004	44.0	.330	.000	.500	50	2.200	.009	.007	.320	.003
MINIMUM	.000	.0	.001	.000	.004	0	1.800	.000	.000	.000	.000
NO. FAILING *	0	0	0	0	2	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	2	0	0	0	0	0	0	0
NO. ANALYZED	33	35	25	31	3	36	2	28	32	30	25
STATE TOTAL 36											
PUERTO RICO											
AGUADILLA						11		.000			.000
GUAYAMA (PHILLIPS P.R. CORE INT.)	.000			.000				.000		.000	.000
MAYAGUEZ						12		.000			.000
PENUELAS (COMMONWEALTH OIL REFINING CO.)	.000			.000						.000	.000

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 02

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														NEW YORK
.020	15	1.1	31	< .01	< .035	< .05	66.0	< .015	130	< .020	7.80	< .001	192	0236268600150
.000	6	.1	44	.03	< .170	.29	64.0	< .004	104	< .010	7.60	< .001	173	0236301500070
.000	5	.4	2		.000	.07	22.0	.000	41	.020	6.80	.000	88	0236400500110
.000	9	1.0	24		< .190	.10	117.0	.008	131	.100*	7.90	< .001	180	0236418000070
	18		49			.04	223.0		360	< .010	7.50		500	0236425500040
.000	1	.0	10		.028	.07	12.0	.001	22	.010	8.10	.001	31	0236439500560
.000	13	.1	35	.04	< .160	.06	76.6	.031	134	.011	7.77	< .005?	157	0236458500010
.000	19	.1	10	.00	.100	< .02	27.0	.009	54	.020	6.30	< .005?	23	0236468500530
						.04	50.0		98	.020	7.10			0236478710560
< .050	11	.2	26	< .10	.015	.05	83.0	.000	130	.000	7.50	< .001	185	0236480000320
	6			.00		.09	31.0	.000	36	.000	7.30		90	0236488010030
.002	3	.9	13	.01	.030	.05	8.0	.000	18	.030	6.80	< .001	40	0236582500310
< .050	13	.1	< 25	.00	.042	.30	86.0	.000	172	.021	7.60	< .000	188	0236583500320
.000	3	.0	3	.00	.000	.01	16.0	< .001	30	.010	7.20	< .005?	40	0236607500520
.000	2	.5	15		< .065	.06	33.0	.001	44	.039	7.10	< .005?	69	0236614000050
.000	6	.1	16	.01	< .097	.00	18.0	< .001	24	.003	7.30	< .000	50	0236617000390
< .200	38	1.0	17	< .04	< .100	.12	94.0	.020	148	< .010	8.10	< .005?	277	0236617700340
.000	14	1.0	20			.22	97.0		14[illegible]	.010	7.40	< .005?	246	0236625500380
.000	14	.2	17		.020	.14	34.0		64	< .010	7.40	< .005?	101	0236644000600
.000	4	.8	23		< .070	.02	31.0	< .001	56	.002	6.90	< .005?	74	0236700000420
< .007	13	1.0	35			.04	73.0		140	< .005	6.70	< .005?	200	0236710500280
< .007	6	< .1	25			.01	57.0		90	< .005	7.20		130	0236710500281
.000	1	.1	7		.220	.07	40.0	.004	51	.021	7.40	.000	59	0236717500330
.000	15	.1	30	< 1.007	< .240	.10	175.7	.004	170	.200*	7.30	< .010?	274	0236735500470
.000	2	1.3	20	.02	< .140	.06	93.0	< .005	118	.002	7.30	< .000	132	0236836000340
.000	1	.4	7	.02	.058	.26	.0	.001	16	.054*	6.30	.001	33	0236867500330
.010	2	.3	11			.03	9.0		16	< .100?	6.90	< .005?	59	0236935000600
.000	31	1.2	61			.05	52.0		110		6.90	.005$	255	0236954500600
.020	38	1.3	61	.04	.250	.30	249.0	.031	430	.200	9.40	.005	500	MAXIMUM
.000	1	.0	2	.00	.000	.00	.0	.000	16	.000	6.30	.000	23	MINIMUM
0	0	0	0	0	0	0	0	0	0	3	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	2	0	NO.FAILING $
0	0	0	0	1	0	0	0	0	0	1	0	13	0	NO.FAILING ?
32	34	33	34	17	27	36	36	26	36	35	36	31	35	NO. ANALYZED
													36	STATE TOTAL
														PUERTO RICO
			0			.00	132.0		46		7.00			0272036000010
					.000	.00		.000		.000		.000	224	0272396100030
		1.0	0			.00	120.0		182		7.00			0272594000050
					.300	.18		.000			7.10	.300	763*	0272684000050

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 02

LOCATION		ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
PUERTO RICO												
MAXIMUM		.000			.000		12		.000		.000	.000
MINIMUM		.000			.000		11		.000		.000	.000
NO. FAILING *		0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $		0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?		0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED		2	0	0	2	0	2	0	3	0	2	4
STATE TOTAL	4											
VIRGIN ISLANDS												
CHARLOTTE AMALIE							10					
MAXIMUM							10					
MINIMUM							10					
NO. FAILING *		0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $		0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?		0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED		0	0	0	0	0	1	0	0	0	0	0
STATE TOTAL	1											
MAXIMUM		.027	44.0	.330	.002	.500	146	2.200	.009	.007	.760	.003
MINIMUM		.000	.0	.000	.000	.000	0	.000	.000	.000	.000	.000
NO. FAILING *		0	0	0	0	2	0	0	0	0	0	0
NO. FAILING $		0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?		0	0	0	2	0	0	0	0	0	0	0
NO. ANALYZED		59	58	49	57	12	64	8	55	45	56	53
REGION TOTAL	66											

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 02

CYANIDE .2*	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														PUERTO RICO
		1.0	0		.300	.18	132.0	.000	182	.000	7.10	.000	763	MAXIMUM
		1.0	0		.000	.00	120.0	.000	46	.000	7.00	.000	224	MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	1	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	1	2	0	2	4	2	2	2	1	3	2	2	NO. ANALYZED
														4 STATE TOTAL
														VIRGIN ISLANDS
			10						10		6.00			027820000000
			10						10		6.00			MAXIMUM
			10						10		6.00			MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	1	0	0	0	0	0	1	0	1	0	0	NO. ANALYZED
														1 STATE TOTAL
.027	118	1.3	61	.25	.430	1.76	249.0	.050	430	.900	9.40	.005	763	MAXIMUM
.000	1	.0	0	.00	.000	.00	.0	.000	10	.000	6.00	.000	23	MINIMUM
0	0	0	0	0	0	9	0	0	0	4	0	0	1	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	2	0	NO.FAILING $
0	0	0	0	1	0	0	0	0	0	1	0	13	0	NO.FAILING ?
56	59	59	62	42	53	65	62	50	63	61	65	56	61	NO. ANALYZED
														66 REGION TOTAL

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 03

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
DELAWARE											
DELAWARE CITY (GETTY OIL COMPANY)		.2		< .100?		11		.100$		.100	
LEWES		2.0		< .100?		10		< .100?		.100	
NEWPORT (ARTESIAN WATER CO.)	< .005	18.0	.050	.000		12		.000	< .005	.032	.000
WILMINGTON		1.8		< .100?				< .100?		.100	
WILMINGTON SUBURBAN (STANTON)		.2		< .200?				< .100?		.100	
YORKLYN (GREGGS BUS SERVICE)	< .005	.7	.050	.000		3		.000	< .002	.027	.000
MAXIMUM		18.0	.050	.000		12		.100		.100	.000
MINIMUM	.005	.2	.050	.000		3		.000	.002	.027	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	1	0	0	0
NO. FAILING ?	0	0	0	4	0	0	0	3	0	0	0
NO. ANALYZED	2	6	2	6	0	4	0	6	2	6	2
STATE TOTAL 6											
DIST. OF COLUMBIA											
WASHINGTON	.000	1.4	.000	.000		16		.300	.000	.015	.000
MAXIMUM	.000	1.4	.000	.000		16		.300	.000	.015	.000
MINIMUM	.000	1.4	.000	.000		16		.000	.000	.015	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	1	1	1	1	0	1	0	1	1	1	1
STATE TOTAL 1											
MARYLAND											
BALTIMORE	.000	3.4		< .010		11		.000	.000	.000	< .010
BRUNSWICK	.000	.0		< .010		2		.000	.002	.020	.010
CAMBRIDGE	.000	< .1		< .010		7		< .005	< .001	.000	< .010
CUMBERLAND	.000	.6		< .010		7		.300	.002	.000	< .010
DEER PARK SPRING WATER COMPANY	.000	.2		.000		2		.000		.000	
GLEN BURNIE (ANNE ARUNDEL CO. SAN. COM.)	.000	2.3		< .010		6		.000	< .001	.010	< .010
HAGERSTOWN	.000	1.4		< .010		10		.300	.004	.000	< .010
SPARROWS POINT (BETHLEHEM STEEL)	.000	.0	.000	< .010		27		.000	.000		.010

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-31-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 03

CYANIDE .2*	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														DELAWARE
				.00	.100	.30	64.0	< .300?	50	< .100?	8.90		158	0310154000020
.010		1.0		.00	1.300	1.60*	31.0	< .100?	40	< .100?	6.90		91	0310374000030
< .020	5	1.4	< 25	< .25	.015	.02		.000		.002	7.00	.001		0310528310020
					.100	.01	37.0	< .300?	95	< .120?	7.40		148	0310683000020
			29		.100	.16		< .300?	55	< .120?	6.30		117	0310685000020
	< .1		31	.09	.086	.18		.013		.025	7.50	< .001	135	0310726000020
.010	5	1.4	31	.09	1.300	1.60	64.0	.013	95	.025	8.90	.001	158	MAXIMUM
.010	5	.1	25	.00	.015	.01	31.0	.000	40	.002	6.30	.001	91	MINIMUM
0	0	0	0	0	0	1	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	4	0	4	0	0	0	NO.FAILING ?
2	1	3	3	4	6	6	3	6	4	6	6	2	5	NO. ANALYZED
														6 STATE TOTAL
														DIST. OF COLUMB
A														
.000	8	1.0	38	.03	.020	.03	55.0	.000	105	.010	7.80	.000	174	0311500000010
.000	8	1.0	38	.03	.020	.03	55.0	.000	105	.010	7.80	.000	174	MAXIMUM
.000	8	1.0	38	.03	.020	.03	55.0	.000	105	.010	7.80	.000	174	MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
1	1	1	1	1	1	1	1	1	1	1	1	1	1	NO. ANALYZED
														1 STATE TOTAL
														MARYLAND
< .200	4	1.1	10	< .10	.040	.09	34.0	< .010	57	.000	7.90	< .001	114	0324037800240
< .200	2 <	.1	3	.10	.070	.29	58.0	< .010	50	.000	7.50	< .001	84	0324120600100
< .200	195	1.1	10	< .10	.020	.14	360.0	< .010		.000	8.50	< .001	506*	0324140400090
< .200	2	.1	14	.10	.050	.09	56.0	< .010	52	.000	7.50	< .001	116	0324239400010
	2	.0	2	< .10	.000	.00	73.0		69	.000	7.90	< .100?	86	0324259200110
< .200	2	.7	5	.10	.040	.16	23.0	< .010	31	.000	7.30	.001	58	0324374400020
< .200	4	.8	18	< .10	.050	.07	28.0	< .010	47	.000	7.10	.000	134	0324406800210
< .200	14	.1	9	.10	.040	.30	52.0	.010		.000	8.40	.001	118	0324854900030

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 03

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
MARYLAND											
MAXIMUM	.000	3.4	.000	.000		27		.000	.004	.020	.010
MINIMUM	.000	.0	.000	.000		2		.000	.000	.000	.010
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	8	8	1	8	0	8	0	8	7	7	7
STATE TOTAL 8											
PENNSYLVANIA											
ALLENTOWN	< .010	5.2	< .500	< .003		16		.050	.000	.000	.000
ALTOONA	.000	.6	< .500	< .003		7		.000		.50	
BEAVER FALLS	< .010	1.5	< .999	< .003		32		.020		.020	
BETHLEHEM	< .010	.0	< .500	< .003		3		.070$		.010	
BREEZEWOOD (THE POST HOUSE, INC.)		.5	< .500	< .005		97		.030		.000	
BROWNSVILLE	< .010	.2	< .999	< .003		8		.000		.020	
BUTLER (WEST PENN. WATER CO.)	< .010	.7	< .500	< .003		15		.000		.000	
CHARLEROI	< .010	.5	< .010	< .003		8		.000		.020	
CHESTER		5.9	.000	.000		15		.000		.040	
CORAOPOLIS	< .010	.4	< .500	< .003		30		.000		.030	
ERIE		.0	< .100	.003		29		.040		.055	
FALLS TOWNSHIP (U.S. STEEL CORP.)		.9	.500	.003		9		.000		.040	
GREENSBURG (WESTMORELAND MUN. AUTH.)		.8	< .500	< .003		13		.000		.000	
GROVE CITY (GROVE CITY BUS LINE)	< .005	< 1.0	.200	.000		< 10		.000	< .005	.003	.000
HANOVER	< .010	3.4	< .500	< .003		10		.010		.070	
HARRISBURG	< .010	.0	< .500	< .003		3		.000		.040	
KUTZTOWN	.000	7.3	1.000	< .003		9		.020		.170	
LOWER SWATARA TWP.(HARRISBURG INTL.ARPT)	< .010	2.5	< .500	< .003		26		.050		.150	
SOUTH PITTSBURG(WESTERN PENN.WATER CO.)	.000	.7		< .005				.040		.020	
MOON TOWNSHIP	< .010	.1	< .500	< .003		17		.000		.020	
PHILADELPHIA	.000	16.0	.001	.000		30		.000		.000	
PHILADELPHIA (BELMONT FILTRATION PLANT)	.001	.9	.001	.003		14		.000		.040	
PHILADELPHIA(QUEEN LANE FILTRATION PLANT)	.010	2.6	.100	.003		25		.000		.030	
PHILADELPHIA SUBURBAN WATER CO.	.000	3.6	.500	.005		16		.010		.040	
PITTSBURGH	.000	.7	< .500			13		.000		.000	
POTTSVILLE (SCHUYLKILL COUNTY MUN.AUTH)	.000	.1	.500	.003		3		.000		.040	
READING		3.4	< .500	< .005		10		.020		.050	
WESTVIEW WATER AUTHORITY	< .010	.4	< .500	< .003		23		.010		.070	
WILKES-BARRE (PA. GAS & WATER COMPANY)	.000	.2	.500	.000		10		.020		3.800*	
WILLIAMSPORT	.000	.0	< .500	< .005		8		.030		.080	
YORK SPRINGS	< .010	6.2	< .500	< .003		2		.000		.010	

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 03

CYANIDE .28	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														MARYLAND
	195	1.1	18	.10	.070	.30	360.0	.010	69	.000	8.50	.001	506	MAXIMUM
	2	.0	2	.10	.000	.00	23.0	.010	31	.000	7.10	.000	58	MINIMUM
.200	0	0	0	0	0	0	0	0	0	0	0	0	1	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	1	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO. ANALYZED
7	8	8	8	8	8	8	8	7	6	8	8	8	8	8 STATE TOTAL
														PENNSYLVANIA
< .010	0	.1	31	.05	.080	.00	122.0	< .050	198	.010	7.70	.000	266	0342012800390
.000		.0	10	.00	.050	.11	15.0	< .050	28	.030	6.20		64	0342015200070
< .010		.8	55	.04	.010	.16	56.0	< .050	192	.020	7.00		386	0342051600040
.000	7	.8	36	.00	.700	.20	24.0	< .050	71	< .030				0342063600480
		.0	22	.02	.680	.11	80.0	< .050	195	.060*	7.40		1298*	0342088050050
.000		.1	158	.06	.130	.17	20.0	< .050	130	.020	9.20		420	0342097200260
< .010		.0	18	.01	.030	.10	16.0	< .050	52	.020	6.00		94	0342106800100
.000		.1	225	.00	.030	.00	22.0	< .050	150	.020	8.30		330	0342129600630
.000		1.0	30	.00	.000	.01	39.0	.000	82	.040	8.20		188	0342132000230
< .010		.3	62	.03	.000	.00	99.0	< .050	43	.010	6.80		178	0342166000020
.000		.1	30	.01	.130	.10	92.0		118	.010	7.40		256	0342254400250
.000		.0	18		.030	.03	17.0	< .050	43	.060*	6.50		112	0342267510090
< .010		.1	75	.00	.000	.03	37.0	< .050	84	.050	6.40		212	0342334400650
< .050	18	.4	< 25	< .10	.087	.25		.000		.260*	7.80	< .001	235	0342336410430
.000		.1	32	.02	.010	.00	30.0	< .050	48	.000	7.70		76	0342345200670
.000		.0	9	.00	.020	.20	7.0	< .050	20	.070*	8.00		40	0342348400220
.000		.0	58	.02	.000	.00	185.0	< .050	242	.000	7.50	.000	310	0342431600060
.000		.1	245	.02	.000	.00	177.0	< .050	456	.010	7.40		624*	0342483910220
.000		1.1	255*	.00	.010	.03	18.0	< .050	114	.010	8.20		434	0342552650630
< .010		.6	51	.00	.000	.08	20.0	< .050	99	.030	6.80		232	0342557200020
.000		.9	31	.00	.000	.00	43.0	.000	110	.010	7.40		218	0342654400510
.000		1.0	49	.02		.00	22.0	< .050	94	.030	8.60		278	0342654400511
.000			61	.02	.020	.00	54.0	.050	26	.060*	7.10		300	0342654400512
.000		.7	26	.00	.010	.08	34.0	.050	57	.030	7.30		140	0342654500510
.000		1.1	75	.02	.000	.00	25.0	< .050	44	.000	7.60			0342660800020
.000		.0	11	.02	.820	.20	5.0	.050	24	.030	6.10		24	0342678400540
.000		1.1	51	.02	.010	.10	58.0	< .050	112		8.00		182	0342692800060
< .010		.3	52	.03	.000	.00	70.0	< .050	83	.020	7.00		326	0342916600020
		.0	12	.15	.390	.00	11.0	.000	22	.030	6.50		34	0342926000400
.000		.7	2	.06	.060	.17	37.0	< .050	34	.000	7.40			0342927600410
< .010		.0	0	.03	.180	.15	55.0	< .050	70	.040	7.40		136	0342950800010

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-31-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 03

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
PENNSYLVANIA											
MAXIMUM	.010	16.0	1.000	.005		97		.070	.000	3.800	.000
MINIMUM	.000	.0	.000	.000		2		.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	1	0
NO. FAILING $	0	0	0	0	0	0	0	1	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	25	31	30	30	0	30	0	31	2	31	2
STATE TOTAL 31											
VIRGINIA											
ALEXANDRIA	.000	1.7	< .100	< .001		10		.010	< .001	.060	< .010
ALEXANDRIA(RICHMND,FREDRICKSBURG&POT.RR)	< .001	< 1.1	< .100	< .001		3		< .010	< .001	.900	< .010
CHANTILLY (DULLES INTERNATIONAL AIRPORT)	< .001	2.9	< .100	< .001		10		< .010	< .001	< .010	< .010
CHARLOTTESVILLE	.000	1.4	.100	.001		4		.010	.001	.010	.010
CLIFTON FORGE	.001	.0		< .001		3		.001	< .001	< .010	
DANVILLE	.000			.000		8		.001		.010	
HOPEWELL (OLD DOMINION WATER CORP.)	.000	2.3		.000		17		.001	.001	.010	.001
LYNCHBURG	.000	.5		.001		3		.003	.000	.020	
MADISON HEIGHTS SAN. DIST.	.000	1.0		.000		2		.001		.005	
NEWPORT NEWS	.000	.1		.000		14		.000		.070	
NORFOLK	< .001	1.1		.000		23		< .001		.060	
OCCOQUAN (FAIRFAX CO. WATER AUTH.)	.000	2.0		.000		15		.001	.001	.010	
PORTSMOUTH	.000	.7		.000		17		.001		.025	
RICHMOND	< .005	1.4		< .005		9		.002		.015	
ROANOKE	.000	.4	< .500	< .001		4		< .010	< .005	.020	< .010
ROANOKE (SOURCE 2-FALLING CREEK)	< .001	.5		< .001		3		< .001	< .001	.220	< .001
ROANOKE (SOURCE 3-CRYSTAL SPRINGS)	< .001	1.7		< .001		2		< .001	< .001	.010	< .001
STAUNTON	.000	2.3	.100	.001		4		.010	.001	.010	.010
MAXIMUM	.001	2.9	.100	.001		23		.010	.001	.900	.010
MINIMUM	.000	.0	.100	.000		2		.000	.000	.005	.001
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	18	17	6	18	0	18	0	18	12	18	9
STATE TOTAL 18											
WEST VIRGINIA											
CHARLESTON (W. VA. WATER CO.)		3.3		.000		12		.000		.050	.000
GRAFTON	.000	2.0		.001	<	5		.003	.002	.011	.000

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? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 03

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														PENNSYLVANIA
.000	18	1.1	255	.15	.820	.25	185.0	.050	456	.260	9.20	.000	1298	MAXIMUM
.000	0	.0	0	.00	.000	.00	5.0	.000	20	.000	6.00	.000	24	MINIMUM
0	0	0	1	0	0	0	0	0	0	5	0	0	2	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
29	3	30	31	30	30	31	30	30	30	30	30	3	28	NO. ANALYZED
														31 STATE TOTAL
														VIRGINIA
< .001	6	.9	25	< .01	.010	< .10	29.0	< .010	61	.010	6.70	.002	92	0351011401010
< .001	10	.2	9	< .01	.040	.20	38.0	< .010	61	.090*	6.60	< .001	103	0351011411010
< .001	8	1.0	27	< .01	< .010	< .10	30.0	.020	211	< .010	6.95	< .001	117	0351168610290
.001	18	.9	14		.050	.10	.0	.010	31	.010	7.20	.000	74	0351171601040
	1	< .1	9	< .10	.001	< .01	33.1	.002	70	.010	8.40	.001	83	0351193801050
.010	7	.9	12	.10	.004	.06	26.0	.000	33	.010	7.80	< .001	81	0351241801080
.001	12	.6	44	.01	.002	.01	57.0	.000	90	< .010	8.10	.000	155	0351436801140
.001	16	1.1	8	.00	.010	.10	18.0	.000	9	.000	7.10	.000	36	0351540601150
< .010	9	< .1	13	.10		.04		.001	15	< .010	6.80	< .001	57	0351553200050
.010	6	.9	26	< .10	.005	.07	78.0	.001	119	< .010	7.80	< .001	142	0351642601170
< .010	12	.8	32	< .10	.010	.02	33.0	.001	67	.010	7.70	< .001	143	0351652201180
	5	.9	27	.10	.003	.10	32.0	.000	67	.020	7.10	< .001	129	0351666500290
< .010	49	1.2	22	< .10	.020	.02	99.0	.000	38	< .010	8.00	< .001	207	0351723001210
< .001	5	.7	30	.06	.080	.05	15.0	< .001	46	.020	7.20	< .000	95	0351765001230
< .001	2	.4	13	< .01	.010	.10	36.0	< .010	51	.010	7.80	.000	77	0351771601240
< .001	3	.5	3	< .01	.008	.14	12.0	.001	11	< .010	6.60	< .001	40	0351771601241
< .001	2	.2	3	< .01	.003	.07	124.0	.001	126	< .010	7.70	< .001	146	0351771601242
.001	3	.8	8		.050	.10	95.0	.010	112	.010	8.30	.000	132	0351855601270
.010	49	1.2	44	.10	.080	.20	124.0	.020	211	.090	8.40	.002	207	MAXIMUM
.001	1	.1	3	.00	.001	.01	.0	.000	9	.000	6.60	.000	36	MINIMUM
0	0	0	0	0	0	0	0	0	0	1	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
16	18	18	18	16	17	18	17	18	18	18	18	18	18	NO. ANALYZED
														18 STATE TOTAL
														WEST VIRGINIA
	4	.8	31		.020	.22	22.0	.000	50	.030	9.10		130	0354145800200
.000	3	1.2	31		.070	.03	10.0	.005	34	.002	6.90	.000	78	0354328800460

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 03

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
WEST VIRGINIA											
HINTON (W. VA. WATER COMPANY)				.000		8		.000		.000	.000
HUNTINGTON (HUNTINGTON WATER CORP.)		6.3		< .010		64		.000		.150	.000
POINT PLEASANT	.000	8.4		.002		16		.007	< .001	.125	. 00
WHITE SULPHUR SPRINGS (GREENBRIER HOTEL)	.000	1.2		.000		10		.004	.001	.012	
WILLIAMSTOWN	.000	35.0		.003		32		.007	.002	.112	
MAXIMUM	.000	35.0		.003		64		.007	.002	.150	.000
MINIMUM	.000	1.2		.000		5		.000	.001	.000	. 00
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	4	6	0	7	0	7	0	7	4	7	5
STATE TOTAL 7											
MAXIMUM	.010	35.0	1.000	.005		97		.100	.004	3.800	.010
MINIMUM	.000	.0	.000	.000		2		.000	.000	.000	. 00
NO. FAILING *	0	0	0	0	0	0	0	0	0	1	0
NO. FAILING $	0	0	0	0	0	0	0	2	0	0	0
NO. FAILING ?	0	0	0	4	0	0	0	3	0	0	0
NO. ANALYZED	58	69	40	70	0	68	0	71	28	70	26
REGION TOTAL 71											

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 03

CYANIDE .28	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														WEST VIRGINIA
	4	.1	10		.070	.11	37.0	.000	58	.010	7.80		44	0354377400450
	17	1.0	81	.01	.030	.23	39.0	.000	122	.080*	8.50		261	0354389400060
.000			85		.037	.30		.020		.099*	7.60	.000	327	0354649200270
.000					.011	.03		.008		.001	7.70	.000	113	0354864000130
.000			43		.304	.13		.034		.021	7.40		389	0354874800540
.000	17	1.2	85	.01	.304	.30	39.0	.034	122	.099	9.10	.000	389	MAXIMUM
.000	3	.1	10	.01	.011	.03	10.0	.000	34	.001	6.90	.000	44	MINIMUM
0	0	0	0	0	0	0	0	0	0	2	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
4	4	4	6	1	7	7	4	7	4	7	7	3	7	NO. ANALYZED
														7 STATE TOTAL
.010	195	1.4	255	.15	1.300	1.60	360.0	.050	456	.260	9.20	.002	1298	MAXIMUM
.000	0	.0	0	.00	.000	.00	.0	.000	9	.000	6.00	.000	24	MINIMUM
0	0	0	1	0	0	1	0	0	0	8	0	0	3	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	4	0	4	0	1	0	NO.FAILING ?
59	35	64	67	60	69	71	63	69	63	70	70	35	67	NO. ANALYZED
														71 REGION TOTAL

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 04

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
ALABAMA											
BIRMINGHAM		.5				14					
HUNTSVILLE	.010	.3	.022	< .009					.003	.015	
MOBILE	.005	.0		.003		10			.003	.000	.002
MONTGOMERY		.1				6					
OAK GROVE (WARRIOR RIVER WATER & F.P.A.)		.8									
PRICHARD		.2				5					
SHEFFIELD		.4				18					
TUSCALOOSA		.0				8					
MAXIMUM	.010	.8	.022	.003		18			.003	.015	.002
MINIMUM	.005	.0	.022	.003		5			.003	.000	.002
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	2	8	1	2	0	6	0	0	2	2	1
STATE TOTAL 8											
FLORIDA											
BOCA GRANDE (GASPARILLA IS. WATER ASSN.)	< .010	.6		< .010		100		< .050		.000	
BRADENTON						35					
BRADENTON (PORT MANATEE-M.CO.UTIL.SYS.)		.0				28					
COCOA	< .020	< .2		< .010		85		< .001		.000	
CRYSTAL RIVER (FLORIDA POWER CORP.)	< .005	1.7		< .010		17		< .010		< .110	
DANIA	< .005		< .010	< .005		95		< .015		.060	.005
DAYTONA BEACH	< .010			< .010		77		< .050		.000	
FORT LAUDERDALE	< .020	.0		< .010		45		< .010		.000	
FORT MYERS	< .020	.2		< .010		217		< .050		.000	
FORT PIERCE	< .020			< .010				< .010		.000	
JACKSONVILLE	.010	.2		< .010		22		< .050		.000	
JACKSONVILLE INTERNATIONAL AIRPORT	< .010	.1		< .010		21		< .050		.000	
JACKSONVILLE (BLOUNT ISLAND)				< .005				< .015		< .010	
LAKELAND	< .005	.0		< .010		19		< .010		< .100	
MELBOURNE	< .020	< .2		< .010		62				.000	
MIAMI	< .020	.1		< .010		58		.010		.000	
ORLANDO	< .020	< .2		< .010		15		< .005		< .001	
ORLANDO (MCCOY JET TERMINAL)	< .020	.2		< .010		30		< .010		.000	
ORLANDO (NUBAR INDUSTRIES INC.)	< .020	< .2		< .010		20		< .020		.000	
PALM BEACH INTERNATIONAL AIRPORT	< .010			< .010				< .100?		.000	
PANAMA CITY (BAY COUNTY WATER SYSTEM)	.005	.6		< .010		17		< .030		< .100	
PANAMA CITY (INTERNATIONAL PAPER CO.)	< .005	.6		< .010		50		< .030	.002	< .100	
PENSACOLA	< .005	5.2	.000	< .010		13		< .030		< .100	
PORT ST. JOE	< .005	1.3	< .005	< .010		7		< .030	.004	< .100	.000
RIVIERA BEACH	.010			< .010		38				.000	

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 04

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														ALABAMA
	12	.0	23			.06	95.0		125	.000	7.60		272	0401078000370
< .005		.1	21	< .03	.450	.05	60.0		760	.000	7.60		120	0401424000450
.005	3	1.2	8	.00	.000	.08	21.0		47	.000	8.80		53	0401560000490
		.0	15			.02	25.0		30	.0	9.00		151	0401563000510
		.3	86			.09	44.0		119	.010	9.20		258	0401608000370
		.1	15			.13	20.0		42	.000	8.60			0401669100490
	9	.8	4			.16	49.0		59	.000	7.70		176	0401746000170
		.9	11			.10	16.0		26	.000	9.00		49	0401825000630
.005	12	1.2	86	.00	.450	.16	95.0		760	.010	9.20		272	MAXIMUM
.005	3	.0	4	.00	.000	.02	16.0		26	.0	7.60		49	MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
2	3	8	8	2	2	8	8	0	8	8	8	0	7	NO. ANALYZED
														8 STATE TOTAL
														FLORIDA
.010		.2	10		.002	.05		< .010	80	.000	8.60	.000	205	0412084500360
		.5	115			.02	60.0		224		8.00		364	0412097500410
	30	.3	63			.15	7.9		63		8.23		181	0412097510410
		.8	75		.001		60.0		84	.000	8.80	.000		0412172500050
< .010		.9	15		.000	< .02	50.0	< .050	42			.000	109	0412198050090
.000		.0			.200	.00		.000	142	.003	9.20			0412204000060
.010		.6	15		.000		4.0	< .010	90	.000	7.70		204	0412210000640
		.7	11		.005	.05	43.0	< .020	85	.000	9.30	.000	212	0412303000060
< .010	<	.1	75		.016	.20	12.0	< .010		.000	8.20	.000	99	0412307500360
		.6	125		.001	.10	7.0	< .020	90	.000	7.60	.000		0412310500560
		.4	120		.002	.07	16.0	< .010	165	.000	7.80	.000	410	0412438000160
		.6	30		.003	.10	160.0	< .010	267	.000	7.90	.000	370	0412438010160
			95		< .010	< .05				< .010	6.70		154	0412438020160
< .010		.4	36			< .20	40.0	< .050	140	.020	8.10	.000		0412492000530
		.7			.003	.18	56.0	< .020	158	.000	8.10	.000		0412579000050
		.7	10		.002		42.0	< .020	80	.000	7.70	.000	212	0412585000130
		.8	20		.005	.10	17.0	< .020	115	.000	7.50	.000	193	0412691500480
		.2	< 5		.001	.03	26.0	< .020	40	.000	7.90	.005$	266	0412691510480
		.2	5		.000	.10	30.0	< .020	147	.000	7.70	.000	297	0412691520480
		.2	6		< .002	.10	284.0		80	.000		.000	397	0412717010500
< .010		.2	8	< .03	.200	< .02		< .002	50	< .010	7.30	.000	60	0412726000030
< .010		.4	4	.00	.004	.00	120.0	< .002	90	.000	7.30	.000	120	0412726010030
< .010	<	.1	2	.00	.009	< .02	20.0	.004	27	< .010	7.00	.000	60	0412741000170
< .010	0 <	.1	13	.00	.006	< .02	56.0	.002	140	< .010	7.00	.000	80	0412774000230
		.2	6		.002	< .10	284.0		80	.000	7.20	.000	397	0412796600500

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 04

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
FLORIDA											
ST. PETERSBURG	< .005	.0		< .010		18		< .010			
SANFORD	< .020	< .2		< .010		25		< .005		.000	
TALLAHASSEE	< .005	2.0	.000	.000	.060	6		< .005	< .002	.000	.000
TAMPA	< .010			< .003					< .002		
TAMPA (GARDINIER INC.) 01	< .005	5.5		< .010		28		< .010		< .100	
WEST PALM BEACH	< .010			< .013		76		< .025		.000	
WILDWOOD	< .005	3.0		< .010		20		< .010		< .100	
MAXIMUM	.010	5.5	.000	.000	.060	217		.010	.004	.060	.005
MINIMUM	.005	.0	.000	.000	.060	6		.001	.002	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	1	0	0	0
NO. ANALYZED	29	23	4	30	1	28	0	27	4	28	3
STATE TOTAL 32											
GEORGIA											
ALBANY		.0				3		< .050		.000	< .010
ATLANTA	< .005	.3	< .005	< .001		12		< .050		< .050	< .005
AUGUSTA		.9						.000		.000	< .010
AUGUSTA (BUSH FIELD)								.050			
COLUMBUS								< .050		.000	
MACON		< 11.0						.000		.000	
SAVANNAH	< .001	< 45.0	< .999	.005		8		.010		.100	< .010
SAVANNAH (TRAVIS FIELD)											< .01
SAVANNAH IND. & DOM. WATER SUPPLY		.1									
SAVANNAH (AMERICAN OIL CO.)											
SAVANNAH (STANDARD OIL)	< .005	.0	< .050	.000		9			< .002	.027	
SAVANNAH(CHARTER INTL OIL CO.)	< .005	.0	< .050	.000		10		.000	< .002	.035	.000
SAVANNAH (I.T.C., INC.)	< .005	.0	< .050	.001		6		.000	< .002	.027	.000
SAVANNAH(NATIONAL GYPSUM CO.)											
THOMASVILLE								< .05		.0	< .05
MAXIMUM		.9		.005		12		.050		.100	.000
MINIMUM	.001	.0	.005	.000		3		.000	.002	.0	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	5	9	5	5	0	6	0	10	3	10	8
STATE TOTAL 15											

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 04

CYANIDE .2*	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														FLORIDA
< .010		< .2	5			< .02	20.0	< .050	108	< .010	7.80	.000	180	0412825000520
		.6	< 5		.000	.10	15.0	< .020	112	.000	7.80	.000	201	0412835500590
< .004		.2	5	.00	.000	.00	124.0	.000	200	.000	7.70		172	0412889500370
< .005														0412892500290
< .010		.4	73		.004	< .20	30.0	< .050	127	.020		.000	267	0412892520290
< .010	36	.4	8		< .002	< .10	150.0	< .020	190	.000	7.60	.000	339	0412946500500
< .010		.3	33		< .006			< .050	120	< .010	7.40	.000	287	0412955500600
.010	36	.9	125	.00	.200	.20	284.0	.004	267	.020	9.30	.005	410	MAXIMUM
.000	0	.0	2	.00	.000	.00	4.0	.000	27	.000	6.70	.000	60	MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	1	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
16	3	30	29	5	27	27	26	25	29	28	28	25	26	NO. ANALYZED
														32 STATE TOTAL
														GEORGIA
	4	.2	1			.10	123.0		108	.000	7.90			0413013200470
	4	.7	8		< .005	< .10	16.0	< .002	240	< .050	8.00	< .001	48	0413044000600
					< .050	.00	32.0	< .050	16	< .050	7.20			0413047301210
					.100		4.0		2	.050	5.80			0413047311210
		.1			< .050	.10	32.0		32	< .050	8.00			0413199101060
					< .050	< .10	28.0	< .050	36	< .050	8.00			0413548900110
.005		.3	8	.05	.470	.06	96.5	.010	100	.020	8.30		189	0413781000250
														0413781010250
	7			< .10		< .10	32.0	< .050	40		8.10			0413781020250
														0413781030250
		.2	10		.061	.29		.000		.003	7.80	< .000	172	0413781040250
		.5	11		.056	3.24*		.000		.008	7.60	.000	168	0413781050250
		.4	11		.006	.08		.000		.000	7.90	< .005?	173	0413781060250
														0413781070250
					.21	< .1	60.0	< .05	56	< .005	7.90			0413871201360
.005	7	.7	11	.[illegible]	.470	3.24	123.0	.010	240	.050	8.30	.000	189	MAXIMUM
.005	4	.1	1	.05	.005	.00	4.0	.000	2	.000	5.80	.000	48	MINIMUM
0	0	0	0	0	0	1	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	1	0	NO.FAILING ?
1	3	7	6	2	10	11	9	9	9	11	12	4	5	NO. ANALYZED
														15 STATE TOTAL

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 04

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
KENTUCKY											
ASHLAND	.000	4.4		.000		36		.000	.000	.000	
CATLETTSBURG,KENOVA&CEREDO WATER CO.,INC.		2.2				62					
COVINGTON		5.7				23					
LATONIA (KENTON CO. WATER DIST. NO.1)						18					
LEXINGTON (KENTUCKY-AMERICAN WATER CO.)		.5				34					
LOUISVILLE		5.6				60					
PADUCAH		.4		.001		21			.003		
SOMERSET (KY. WATER SERVICE CO.)		.7	< .050	.000		< 5		.000	.003	.019	.000
MAXIMUM	.000	5.7		.001		62		.000	.003	.019	.000
MINIMUM	.000	.4	.050	.000		5		.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	1	7	1	3	0	8	0	2	3	2	1
STATE TOTAL 8											
MISSISSIPPI											
GREENVILLE (WATERWAYS MARINA)	< .005		.046			283*			.002	.028	.008
GREENVILLE(INDUSTRIAL FILL)											
GULFPORT (PORT OF GULFPORT)											
JACKSON											
JACKSON MUNICIPAL AIRPORT						24					
MERIDIAN						4					
PASCAGOULA (JACKSON CO. PORT AUTH. W)											
PASCAGOULA (MISSISSIPPI CHEMICAL CORP.)	< .010		.057	< .027?				< .013	.002	< .013	< .002
PASCAGOULA (INGALLS SHIPBUILDING CORP. E)	< .010		.040		< .062				< .002	< .031	< .006
PASCAGOULA (STANDARD OIL OF KENTUCKY)	< .010		.057	< .027?				< .013	< .002	< .013	< .002
PASCAGOULA (JACKSON CO. PORT AUTH. E.)	< .010		< .100	< .027?				< .013	< .002	< .100	< .003
VICKSBURG						17					
MAXIMUM			.057			283			.002	.028	.008
MINIMUM	.005		.040	.027	.062	4		.013	.002	.013	.002
NO. FAILING *	0	0	0	0	0	1	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	3	0	0	0	0	0	0	0
NO. ANALYZED	5	0	5	3	1	4	0	3	5	5	5
STATE TOTAL 12											
NORTH CAROLINA											

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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RUN DATE 10-31-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 04

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														KENTUCKY
							60.0		164		8.60		276	0421026400100
.000	26	.9	79		.170	.20	90.0	.015	182	.000	9.50		408	0421134800100
		.7	134				54.0		144		8.00		252	0421176400590
	21	.4	67			.00	130.0		180		7.70		236	0421422900590
	8	1.2	28			.00	76.0		130		8.00		224	0421460000340
	19	1.2	40				36.0		134		8.80		352	0421478800560
	90	.8	134		.320		76.0		106		8.10		142	0421590400730
< .005	9	1.0	13			.00		.013		.000	7.90	< .001	118	0421722001000
.000			30		.010	.01								
													408	MAXIMUM
.000	90	1.2	134		.320	.20	130.0	.015	182	.000	8.80		118	MINIMUM
.000	8	.4	13		.010	.00	36.0	.013	106	.000	7.70	.001	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	8	NO. ANALYZED
3	6	7	8	0	3	5	7	2	7	2	8	1		8 STATE TOTAL
														MISSISSIPPI
													819*	0428309410760
< .004		.5			.090	.16		.018		.001	8.70			0428309420760
														0428314610240
														0428378300250
							26.0		22		8.50		296	0428378310250
							183.0				8.40			0428510900380
		.2					8.0		5	.720*	6.00			0428594110300
			6			.50*								0428594120300
					< .027	< .01		< .0537		< .013	8.20			0428594130300
< .005		1.2			< .062	.14		< .124?		.368*	8.10			0428594140300
< .005		.7		.07	< .027	.10		< .0537		< .013	8.30			0428594160300
< .005		.9		.04	< .300	.20		< .0537		< .013	8.30			0428871000750
< .005	<	.9		< .10		.00	56.0		48		8.40		98	
	20		9											
													819	MAXIMUM
	20	1.2	9	.07	.090	.50	183.0	.018	48	.720	8.70		98	MINIMUM
	20	.2	6	.04	.027	.00	8.0	.018	5	.001	6.00		1	NO.FAILING *
.004	0	0	0	0	0	1	0	0	0	2	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	4	0	0	0	0	3	NO. ANALYZED
0	0	0	0	0	0	0	4	5	3	6	9	0		12 STATE TOTAL
5	1	6	2	3	5	7								
														NORTH CAROLINA

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 04

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
NORTH CAROLINA											
BEAUFORT (AVIATION FUELS TERMINAL)	.000			.000		8		.000		.000	
CHARLOTTE	.000			.010		6		.000		.000	
CHARLOTTE (WEST TREATMENT PLANT)	.000			.010		7		.000		.000	
DURHAM	.010			< .0507		10		< .050	.000	.080	
FAYETTEVILLE	.000			.000		16		.000		.000	
GREENSBORO	.010			.010		4		.050		.050	
GREENSBORO (N.L.MITCHELL WATER PLANT)											
GREENSBORO (TRIAD CATERING CO. INC.)	< .010			< .010		5		< .050		.080	
HAMLET	< .010			< .010		6		< .050		< .050	
MOREHEAD CITY	.000			.000		14		.000		.000	
RALEIGH	< .010			< .010		11		< .050		< .050	
RALEIGH (E.M. JOHNSON WATER PLANT)	< .010			< .010		12		< .050		< .050	
ROCKY MOUNT	.000			.000		11		.000		.000	
SALISBURY	.000	5.0		< .010		11		< .050		.000	
WILMINGTON	.000			.000		12		.000		.000	
WILMINGTON (ESSO STANDARD OIL TERMINAL)	.000			.000		41		.000		.000	
WINSTON-SALEM	< .010	.2		< .010		6		< .050		< .005	
WINSTON-SALEM (NEILSON PLANT)											
MAXIMUM	.010	5.0		.010		41		.050	.000	.080	
MINIMUM	.000	.2		.000		4		.000	.000	.000	
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	1	0	0	0	0	0	0	0
NO. ANALYZED	16	2	0	16	0	16	0	16	1	16	0
STATE TOTAL 18											
SOUTH CAROLINA											
BEAUFORT (JASPER WATER AUTHORITY)						0				.000	
CAINHOY (DETYENS SHIPYARDS, INC.)		.0				72					
CAYCE						9				.000	
CHARLESTON						10				.400	
COLUMBIA						12				.000	
FLORENCE						3				.000	
GEORGETOWN						31				.000	
GREENVILLE						13				.000	
GREER						7				.000	
SPARTANBURG						6				.000	

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 04

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														NORTH CAROLINA
	9	.4			.200	.49*	264.0	.000	272	.000	7.70			0437062410160
	6	1.0	7	.00	.000	.00	18.0	.050	24	.000	9.00	.000	53	0437139200600
	5	1.0	8	.00	.000	.00	19.0	.050	28	.000	9.10	.000	54	0437139200601
	21	1.0			.050	< .05	18.0	< .050	20	< .030	7.20			0437219200320
	31	.9				.07		.000	20	.030	7.20			0437268000260
	4	1.0	10		.050	.06	31.0	.000	42	.000	7.50		26	0437319200410
														0437319200411
	7	.1			.230	< .05	56.0	< .050	54	< .030	7.00			0437319300410
< .050	7	< .1			1.130	.08	16.0	< .050	6	< .030	7.60			0437334400770
	12	.3				.00	252.0	.000	256	.000	7.50			0437522400160
	7	1.6			< .050	< .05	21.0	< .050	48	< .030	7.80			0437635200920
	18	1.0			< .050	< .05	26.0	< .050	36	< .030	7.40			0437635200921
	17	.7			.150	.00	22.0	.000	23	.000	6.90			0437660800330
	13	1.0	10		.100	< .05	< 18.0	< .050	15	< .050	7.00			0437680800800
	21	1.0			.500	.00	19.0	.000	23	.000	7.00			0437864000650
	27	.2			.100	.00	93.0	.000	96	.000	7.70			0437864010650
	4	1.0	15	.00	.020	< .01	27.0	< .050	36	< .005	7.50	.002	70	0437871200340
														0437871200341
	31	1.6	15	.00	1.130	.49	264.0	.050	272	.030	9.10	.002	70	MAXIMUM
.050	4	.1	7	.00	.000	.00	16.0	.000	6	.000	6.90	.000	28	MINIMUM
0	0	0	0	0	0	1	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
1	16	16	5	3	14	16	15	16	16	16	16	3	4	NO. ANALYZED
														18 STATE TOTAL
														SOUTH CAROLINA
					.100	.00	22.0		15		7.50	.000		0445052000070
						.00	244.0		22		8.50		420	0445112009990
		.8			.000	.00	9.0		2		7.40	.000	88	0445138000320
					.000	.00	25.0		22		8.10	.000	68	0445148000100
					.100	.10	23.0		23		7.90	.000		0445180000400
		.8			.000	.10	24.0		7		7.70	.000		0445294000210
		.6			.030	.00	430.0		4		8.90	.000	548*	0445332000220
					.200	.10	21.0		17		7.40	.000		0445362000230
		.8			.000	.10	13.0		10		7.10	.000		0445366000230
		.9			.000	.20	19.0		13		8.00	.000		0445832000420

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 04

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
SOUTH CAROLINA											
MAXIMUM		.0				72				.400	
MINIMUM		.0				0				.000	
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	0	1	0	0	0	10	0	0	0	9	0
STATE TOTAL 10											
TENNESSEE											
ALCOA	.010	1.5		.000	.041	3		.001	.004	.006	.001
CHATTANOOGA	< .005	< 28.6	< .400	< .005		13		< .006	< .005	< .010	< .010
CLARKSVILLE	< .005			.002					.003	.031	.002
KINGSPORT (CONSOLIDATED U.D.)	.005			.001	.040	12				.001	.002
KNOXVILLE	< .010		.100	.001		45		.000		.018	.000
MEMPHIS	.010	.3	.100	.000		5		.003		.013	.005
NASHVILLE	.010		.100	.004		9		.000	.003	.000	.000
SMYRNA											
MAXIMUM	.010	1.5	.100	.004	.041	45		.003	.004	.031	.005
MINIMUM	.005	.3	.100	.000	.040	3		.000	.003	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	7	3	4	7	2	6	0	5	4	7	7
STATE TOTAL 8											
MAXIMUM	.010	5.7	.100	.010	.060	283		.050	.004	.400	.008
MINIMUM	.000	.0	.000	.000	.040	0		.000	.000	.0	.000
NO. FAILING *	0	0	0	0	0	1	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	4	0	0	0	1	0	0	0
NO. ANALYZED	65	53	20	66	4	84	0	63	22	79	25
REGION TOTAL 111											

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 04

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														SOUTH CAROLINA
		.9			.200	.20	430.0		23		8.90	.000	548	MAXIMUM
		.6			.000	.00	9.0		2		7.10	.000	68	MINIMUM
		0	0	0	0	0	0	0	0	0	0	0	1	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO. ANALYZED
0	0	5	0	0	9	10	10	0	10	0	10	9	4	10 STATE TOTAL
														TENNESSEE
													101	0447008400050
		1.2		.03	.020	.02	45.0	.016	58	.012	8.00			
.004		1.0	9	< .10	< .010	< .01	54.0	< .040	68	< .005	7.30	< .000	130	0447156000330
.010	5	.9		.03	.040	.03	65.0	.008	83	.002	7.40			0447169200630
		.9		.03	.120	.00	88.8	.013	86	.001	7.80		167	0447459600820
.004		.9		.01	.042	.02	63.0	.000	100	.000	7.90	< .001		0447463200470
	28	.3			.055	.05	49.9	.009	41	.000	7.40		74	0447566400790
	9	1.0	3		.038	.03	62.0	.000	97	.000	8.08		137	0447614400190
	7	1.0	26				129.0		164	.000	7.30			0447798000750
		1.1												
.010	28	1.2	26	.03	.120	.05	129.0	.016	164	.012	8.08		167	MAXIMUM
.004	5	.3	3	.01	.010	.00	45.0	.000	41	.000	7.30	.000	74	MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO. ANALYZED
3	4	8	3	5	7	7	8	7	8	8	8	2	5	8 STATE TOTAL
.010	90	1.6	134	.07	1.130	3.24	430.0	.050	760	.720	9.30	.005	819	MAXIMUM
.000	0	.0	1	.00	.000	.00	4.0	.000	2	.0	5.80	.000	28	MINIMUM
0	0	0	0	0	0	3	0	0	0	2	0	0	2	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	1	0	NO.FAILING $
0	0	0	0	0	0	0	0	4	0	0	0	1	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO. ANALYZED
31	36	87	61	20	77	91	87	64	90	79	99	44	62	111 REGION TOTAL

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 05

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$ -	SELENIUM .01$	COPPER 1.0*	SILVER .05$
ILLINOIS											
BEDFORD PARK											
CAIRO		9.2	.000	.000		23		.000		.000	.000
CARBONDALE	.000	1.3	.000	.000		14		.000	.000	.000	.000
CHAMPAIGN (NORTHERN ILL. WATER CORP.)						7					
CHICAGO		.5		.000		10		.000		.002	
DES PLAINES		.4	.000	.000		160		.000		.000	.000
GALESBURG	.000	.0		.000		6		.000		.000	.000
HARRISBURG		5.0				26				.040	
HARTFORD	.000	.0	.000	.000		17		.000	.000	.160	.000
JOLIET		.4									
LEMONT											
LEMONT (UNION OIL)	< .005	< 1.0	< .050	.000		47		.000	< .002	.011	.000
MOLINE (QUAD-CITY AIRPORT)	.005			.001		30		.005	.004		.030
PEORIA WATERWORKS CO.		3.7				85					
ROCKFORD		.4	.000	.000		3		.000		.000	.000
ROSEMONT											
SCHILLER PARK											
SPRINGFIELD	.000	2.2	.000	.000		25		.000	.000	.000	.000
WOOD RIVER	.010		.000	.000					.002	< .100	.001
MAXIMUM	.010	9.2	.000	.001		160		.005	.004	.160	.030
MINIMUM	.000	.0	.000	.000		3		.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	7	12	8	11	0	13	0	10	6	11	10
STATE TOTAL 19											
INDIANA											
EAST CHICAGO	.010	.3				11					
EVANSVILLE	< .010	4.5		< .010		34		< .010		< .020	
GARY-HOBART WATER CO.	< .005	.9	< .050	.000		10		.000		.400	.000
INDIANAPOLIS WATER CO.	< .010	23.9		< .010		33		< .010		< .20	
INDIANAPOLIS (FALL CREEK PLANT)	< .010	15.1		< .010		28		< .010		< .020	
LOGANSPORT	< .010	22.0		< .010		20		< .010		.170	
MICHIGAN CITY	< .010	1.3		< .010		9				< .020	
MIDDLEBURY	< .010	.5		< .010		8		< .010		< .020	
MOUNT VERNON	< .010	7.6		< .010		52		< .010		< .020	
SOUTH BEND	< .010	< .4				22		< .010		< .020	

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 05

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														ILLINOIS
														0517057800160
	13	.9	66		.000	.40*	87.0	.020	164	.000	7.70		252	0517116400020
	19	1.0	78		.000	.00	54.0	.000		.000	7.30		243	0517127200390
		.9				.00	108.0		2				190	0517142800100
.000		1.0	23		.001	.01	108.0	.000	128	.001	7.73	< .000	182	0517154300160
	140	.2	185		.000	.00	58.0	.000	160	.000	8.40	.000	580*	0517209400160
.000	4	1.0	24		.000	.02	184.0	.000	218	.010	7.50	.000	249	0517295200480
			187		.140	.06	57.0		232		8.20		402	0517343200830
	13	.2	42		.020	.00	132.0	.000	296	.000	8.60	.000	288	0517344400600
		.5	280*		.000	.20	300.0		27		7.40			0517396600990
														0517441000160
		1.5	123	< .05	.076	.07		.000		.005	8.10	.000	564*	0517441010160
.004		.2	70	.03	.050	.04		.002		.020	8.20		283	0517522610810
	52	1.1	135			.01	204.0		367	.020	7.60		616*	0517618000720
	4	.1	7		.000	.05	278.0	.000	280	.000	7.50	.000	284	0517677401010
														0517685600820
														0517707400160
	11	1.4	64		.000	.00	40.0	.000	108	.000	9.40	.000	196	0517741600840
.005		.3			< .100	.01		.021			7.70			0517860400600
.005	140	1.5	280	.03	.140	.40	300.0	.021	367	.020	9.40	.000	616	MAXIMUM
.000	4	.1	7	.03	.000	.00	40.0	.000	2	.000	7.30	.000	182	MINIMUM
0	0	0	1	0	0	1	0	0	0	0	0	0	3	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
4	8	14	13	2	13	15	12	11	11	11	14	7	13	NO. ANALYZED
														19 STATE TOTAL
														INDIANA
	5	1.0	28			< .03	100.0	.020	140	.020	7.40			0518240900450
	20	1.1	85	< .10	.180	< .06	68.0	< .020	168	< .020	8.20		290	0518265100820
	6	.7	23	< .10	.004	.00	102.0	.014	132	.000	7.70		170	0518316800450
	12	1.0	72	< .10	< .020	< .10	182.0	< .020	300	.030	7.30		410	0518403700490
	12	1.1	64	< .10	.020	< .10	192.0	< .020	288	.020	7.30		380	0518403700491
	9	.8	95	< .10	.200	.20	202.0	< .020	330	.040	7.00	< .001	480	0518492800090
	5	.1	20	< .10		< .20	106.0	< .020	133	< .020	7.30	< .001		0518539000460
	9	.3	2	< .10	.020	1.20*	260.0	< .020	248	< .080?	7.10	< .001	280	0518541200200
	36	.9	160	< .10	.050	< .10	68.0	< .020	224	< .020	7.70	< .001	420	0518588500650
	8	.7	48	< .10	< .020	.40*	244.0	< .020	302	< .020	7.70		320	0518819500710

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 05

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
INDIANA											
MAXIMUM	.010	23.9		.000		52		.000		.400	.000
MINIMUM	.005	.3	.050	.000		8		.000		.020	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	10	10	1	8	0	10	0	8	0	9	1
STATE TOTAL 10											
MICHIGAN											
DETROIT METROPOLITAN WATER DEPT.		.2				9					
EAST CHINA TOWNSHIP	.010	1.0	.015	.007		12		.003	.002	.005	.001
ELBERTA	< .005	4.4	< .050	.000		15		.000	.007	.014	.004
GRAND RAPIDS						10					
PAINESDALE (ADAMS TWP.-S.RANGE WCS AUTH)		1.8				4					
KALAMAZOO		.0				3					
LUDINGTON	< .005	2.2	< .005	.001	.051	90	.180	.000	.000	.017	.004
MUSKEGON	.001	.0		.001	.067	10			.005		
PORT HURON	< .006	.0	.013	< .006		7		< .006	< .001		
SAGINAW		.0				10					
ST. JOSEPH		.2				11					
SAULT SAINTE MARIE	< .005	2.0	.010	< .005	.037	1		< .005	.007	.004	.000
TRAVERSE CITY		.8				8					
YPSILANTI TOWNSHIP						48		.000			
MAXIMUM	.010	4.4	.015	.007	.067	90	.180	.003	.007	.017	.004
MINIMUM	.001	.0	.005	.000	.037	1	.180	.000	.000	.004	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	6	12	5	6	3	14	1	6	6	4	4
STATE TOTAL 14											
MINNESOTA											
DULUTH	< .010	< .1	.000	< .010	.000	2		< .020	.005	< .100	.010
EAST GRAND FORKS		< 1.0				6					
FAIRBAULT						2					
MANKOTA		2.1				19					
MINNEAPOLIS		1.0				10					
MINNEAPOLIS-ST.PAUL AIRPORT(NW ORIENT A.)		< 1.0				< 1					

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 05

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														INDIANA
	35	1.1	160		.200	1.20	260.0	.020	330	.040	8.20		480	MAXIMUM
	5	.1	2	.10	.004	.00	68.0	.014	132	.000	7.00	.001	170	MINIMUM
0	0	0	0	0	0	2	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	1	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	1	0	0	0	NO. ANALYZED
0	10	10	10	9	8	10	10	10	10	10	10	4	8	10 STATE TOTAL
														MICHIGAN
	4	1.0	19			.04	75.0		97		7.60	.000	129	0526249000820
		1.2	19	.03	.070	< .01	86.0	.023	95	.003	7.60	.000	128	0526271900740
.005	4	.1	74		.002	.10	190.0	.025	210	.008	7.70	< .001	383	0526287000100
		1.0	21			.00	110.0		141		8.20	< .000	160	0526392000410
	2	.0	5			.00	100.0		86	.000	8.20		106	0526450000310
	5	1.1	14				230.0		245	.050	7.90			0526491000390
		.3	25		.012	.00	150.0	.000	132	.000	8.00	.000	101	0526553000530
.001	7	1.0	37	.00	.100	.00	96.0	.013	126	.000	7.30	< .000	214	0526653000610
					< .013	< .01	75.0	.040	95	.003	7.80	.000	134	0526768000740
	9	.0	25		9.600*		40.0		62	.000	9.80		116	0526827000730
	3	1.1	26			.00	104.0		145	.000	7.60	< .000		0526835000110
.004	1	1.2	3		.010	< .01	40.0	.035	49	< .003	7.00	.000	65	0526848000170
	4	.8	22			.00	158.0		130	.000	8.00	< .000	150	0526932000280
	32	.9	120			.10	24.0		145		9.10	< .000		0526997600810
.005	32	1.2	120	.03	9.600	.10	230.0	.040	245	.050	9.80	.000	383	MAXIMUM
.001	1	.0	3	.00	.002	.00	24.0	.000	49	.000	7.00	.000	65	MINIMUM
0	0	0	0	0	1	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
3	10	13	13	2	7	12	14	6	14	11	14	11	11	NO. ANALYZED
														14 STATE TOTAL
														MINNESOTA
.000		< .1	< 5	< .10	.100	.10	40.0	< .010	48	.020	7.10		58	0527259000690
		.3	14	< .10		.00	84.0		82	< .020	8.60		150	0527267000600
	6	.4	12			.37*	250.0		210	.050	7.10		230	0527312000660
	17	.4	97	< .10		.51*	270.0		370	.500*	7.70		480	0527600000070
		1.0	32	.00		.04	45.0		77	.010	7.90		133	0527636000270
	7	.2	< 5	< .10		.51*	280.0		270	.050	7.20		230	0527636110270

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 05

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
MINNESOTA											
RED WING		< 1.0				75					
ST. PAUL		.0				14					
STAPLES	.010	1.1		.010	.160	24		.010	.010	.013	
VIRGINIA						12					
MAXIMUM	.010	2.1	.000	.010	.160	75		.010	.010	.013	.010
MINIMUM	.010	.0	.000	.010	.000	1		.010	.005	.013	.010
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	2	8	1	2	2	10	0	2	2	2	1
STATE TOTAL 10											
OHIO											
AKRON-CANTON AIRPORT		.0	.300	.000		6		.000		.000	.000
ASHTABULA		.7	.000	.000		33		.000		.000	.000
CANTON	.005	1.0	.050	.002		34		.000	.005	.040	.000
CINCINNATI	< .010	4.2	.000	.000	.150	29		.000	.006	.000	.000
CLEVELAND		.1	.000	.000		25		.000		.000	.000
COLUMBUS		3.0	.000	.000		20		.000		.000	.000
CONNEAUT		.2	.000	.000		32		.000		.000	.000
DAYTON	< .001	7.5	.000	< .010		33		< .005	.002	.080	< .001
FAIRPORT HARBOR		.3	.000	.000		56		.000		.000	.000
GALLIPOLIS		3.8	.000	.000		44		.000		.000	.000
HAMILTON		7.0	.000	.000		15		.000		.000	.000
HURON		1.4	.000	.000		25		.000		.000	.000
LORAIN			.000	.000		25		.000			.000
MARIETTA	.005	3.0	.100	.000		87		.000	.002	.100	.000
SANDUSKY		1.4	.000	.000		22		.000		.000	.000
STUBENVILLE (ATLANTIC-RICHFIELD CO.)		.0	.000	.000		43		.000		.000	.000
TOLEDO		2.2	.000	.000		16		.000		.000	.000
VANDALIA		4.6	.000	.000		29		.000		.000	.000
WELLSVILLE		1.3	.000	.000		11		.000		.000	.000
YOUNGSTOWN (MAHONING VALLEY SAN. DIST.)			.000	.000		31		.000		.000	.000
MAXIMUM	.005	7.5	.300	.002	.150	87		.000	.006	.100	.000
MINIMUM	.001	.0	.000	.000	.150	6		.000	.002	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	4	18	20	20	1	20	0	20	4	19	20
STATE TOTAL 20											

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-31-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 05

CYANIDE .2&	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002&	TDS 500*	ID NO.
														MINNESOTA
	54	1.2	24	< .10		.37*	250.0		260	.060*	7.20			0527784000250
	8	1.1	7	.00	.000	.01	60.0		84	.010	8.50		130	0527836000620
.005		1.0	83	.10		2.50*	120.0	.010	120	.015	8.50			0527892000770
	9	.7	65			.02	190.0		250	< .010	7.40			0527950500690
.005	54	1.2	97	.10	.100	2.50	280.0	.010	370	.500	8.60		480	MAXIMUM
.000	6	.1	5	.00	.000	.00	40.0	.010	48	.010	7.10		58	MINIMUM
0	0	0	0	0	0	5	0	0	0	2	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
2	6	10	10	8	2	10	10	2	10	10	10	0	7	NO. ANALYZED
														10 STATE TOTAL
														OHIO
	14	.3	36		.200	.68*	295.0	.000	316	.130*	8.00			0539008410770
	18	.1	10			.00	95.0	.000	136	.000	7.90		197	0539081000040
.050	15	.1	128	.13	.065	.01	223.0	.000	390	.003	7.20	.000	564*	0539132300760
.010	17	.1	49	.02	3.480	.06	45.0	.000	145	.000	7.30	< .001	230	0539160300310
	16	1.0	10			.00	95.0	.000	128	.000	7.60		195	0539166600180
	24	1.1	74			.03	41.0	.000	100	.010	9.20		203	0539179200250
	15	.1	42			.00	77.0	.000	142	.000	7.70		174	0539183400040
< .005	23	.2	79	< .01	.600	.00	27.0	.000	105	.000	8.70		191	0539209300570
	25	1.2	18		.100	.70*	105.0	.000	154	.000	7.80		256	0539263300430
	40	.2	54			.00	28.0	.000	204	.030	9.20			0539293300270
	8	.9	36		.110	.00	36.0	.000	102	.000	8.40		151	0539336700090
	16	1.0	19		.700	.00	85.0	.000	132	.000	7.80		216	0539376600220
	12	.9	48			.00	91.0	.000	138	.000	7.80		228	0539459200470
		.9	58	.10	.100	.00	53.0	.000	124	.000	9.80		385	0539490700840
	22	.9	13		.290	.00	99.0	.000	120	.000	7.70		189	0539741300220
	41	.2	0			7.20*	188.0	.000	122	1.590*	7.20		287	0539791020410
	15	.9	17		.130	.00	31.0	.000	62	.000	8.90		118	0539826000480
	18	.4	26			.39*	281.0	.000	346	.000	7.40		407	0539846300570
	10	.2	107			.00	38.0	.000	128	.690*	8.30		229	0539877100150
	60	.9	131			.00	36.0	.000	96	.000	10.00		277	0539921900500
.050	60	1.2	131	.13	3.480	7.20	295.0	.000	390	1.590	10.00	.000	564	MAXIMUM
.005	8	.1	0	.01	.065	.00	27.0	.000	62	.000	7.20	.000	118	MINIMUM
0	0	0	0	0	0	4	0	0	0	3	0	0	1	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
3	19	20	20	4	10	20	20	20	20	20	20	2	18	NO. ANALYZED
														20 STATE TOTAL

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 05

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
WISCONSIN											
EAU CLAIRE	.020	5.3	.500	.010	.000	7	.000	.030		.040	.040
GREEN BAY	< .020	.9	< .100	< .005		8		< .030	< .002	.040	< .002
GREEN BAY (AUSTIN STRAUB EL AIRPORT)		< .5				11					
LACROSSE	< .020	12.1	< .500	< .010		11		< .030		< .020	< .040
MADISON	.020	1.4	< .500	< .010		0		< .030		< .030	< .040
MANITOWOC	< .020	.9	< .500	< .010		14		.030		< .020	< .040
MILWAUKEE	< .020	1.0	< .050	< .002		13		< .030	< .002	.050	< .002
OSHKOSH	< .020	4.0	< .100	< .005		12		< .030	< .002	.018	< .002
SHEBOYGAN	< .020	1.4	< .100	< .005		9		< .030	< .002	.030	< .002
STURGEON BAY	< .020	11.2	< .500	< .010		14		< .030		.070	< .040
SUPERIOR	< .020	.8	< .050	< .002		3		< .030	.002	.010	.002
WAUKESHA	< .020	.4	< .500	< .010		4		< .030		< .020	< .040
MAXIMUM	.020	12.1	.500	.010	.150	87	.000	.030	.006	.100	.040
MINIMUM	.001	.0	.000	.000	.000	0		.000	.002	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	15	30	31	31	2	32	1	31	9	30	31
STATE TOTAL 32											
MAXIMUM	.020	23.9	.500	.010	.160	160	.180	.030	.010	.400	.040
MINIMUM	.000	.0	.000	.000	.000	0	.180	.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	44	90	66	78	8	99	2	77	27	75	67
REGION TOTAL 105											

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 05

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														WISCONSIN
	3	1.3	6	.10	.010	.10	54.0	.050	72	.040	7.70	.000	116	0555249000180
	5	1.1	22	< .10	< .020	< .407	104.0	< .020	132	< .040	8.20	< .000	160	0555340000050
	10	1.8	35			.06	212.0		244	< .040	8.20			0555340010050
	6	.2	39	< .10	.700	.06	232.0	< .050	280	< .040	7.30	< .000	340	0555444000320
.000	20	1.3	45		< .010	.04	172.0	< .040	276	.040	8.50	< .000	266	0555498000130
	6	.9	42	< .10	< .040	.32*	158.0	< .050	208	.040	7.90	< .000	256	0555505000360
< .020	6	.9	26	< .10	.050	.14	100.0	< .020	136	< .040	7.90	< .000	174	0555548000400
	6	.3	41	< .10	< .020	.12	154.0	< .020	208	< .040	7.50	< .000	250	0555628000700
< .020	6	1.1	30	< .10	.020	.06	100.0	.040	136	< .040	7.70	< .000	162	0555751000590
	6	1.2	23	< .10	.030	.20	264.0	< .040	300	< .040	8.00	< .000	338	0555801000150
< .010	1	.1	3	.09	.020	.54*	44.0	< .020	48	< .040	7.10	< .000	66	0555808000160
	7	1.0	80	< .10	.010	.34*	202.0	< .050	304	< .040	7.90	< .000	380	0555864000670
.050	60	1.8	131	.13	3.480	7.20	295.0	.050	390	1.590	10.00	.000	564	MAXIMUM
.000	1	.1	0	.01	.010	.00	27.0	.000	48	.000	7.10	.000	66	MINIMUM
0	0	0	0	0	0	7	0	0	0	3	0	0	1	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	1	0	0	0	0	0	0	0	NO.FAILING ?
7	31	32	32	14	21	32	32	31	32	32	32	13	29	NO. ANALYZED
														32 STATE TOTAL
.050	140	1.8	280	.13	9.600	7.20	300.0	.050	390	1.590	10.00	.000	616	MAXIMUM
.000	1	.0	0	.00	.000	.00	24.0	.000	2	.000	7.00	.000	58	MINIMUM
0	0	0	1	0	1	19	0	0	0	8	0	0	5	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	1	0	0	0	1	0	0	0	NO.FAILING ?
19	84	99	98	39	61	99	98	80	97	94	100	37	86	NO. ANALYZED
														105 REGION TOTAL

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 06

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
ARKANSAS											
FAYETTEVILLE	< .010	.5		< .010		8		< .003		.050	< .040
FORT SMITH	< .010	.2				3		.000		.000	
HELENA	< .010	.2		< .003		74		< .003		< .050	.004
HOT SPRINGS (MOUNTAIN VALLEY WATER CO.)	< .010					3		.000		.000	
JONESBORO						22		.000			
LITTLE ROCK		.1		.000		11		.000		.000	.000
PINE BLUFF	< .010	.2				9		< .003		< .050	
WEST MEMPHIS		.1		.010		3		.003		.100	.010
MAXIMUM		.5		.010		74		.003		.100	.010
MINIMUM	.010	.1		.000		3		.000		.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	5	6	0	4	0	8	0	8	0	7	4
STATE TOTAL 8											
LOUISIANA											
ALEXANDRIA	.001	.0	.000	.000		40			.000	.050	.000
AVERY ISLAND (MCILHENNY COMPANY)	.001	.0	.000	.000		89		.000	.000	.000	.000
BATON ROUGE W. W. CO.	.001	.0	.000	.000		7		.004	.000	.010	.009
BATON ROUGE (HUMBLE OIL CO.)	.005	.0	.000	.000		6		.001	.000	.004	.000
BATON ROUGE (KAISER ALUMINUM & CHEM.CORP)	.000		.000	.000	.040	6		.000	.000	.011	.000
BATON ROUGE (RYAN AIRPORT)	.000	.1	.000	.001		8		.006	.000	.003	.001
BELLE CHASSE	.000	3.4	.000	.000		39		.004	.003	.009	.001
BERWICK(BERWICK-BAYOU VISTA JOINT WW C.)	.000	.2	.000	.000		33		.017	.000	.000	.007
BOOTHVILLE-VENICE WATERWORKS	.000	1.5	.000	.000		36		.004	.001	.029	.000
BURNSIDE (DRMET CHEMICAL CORP.)	.004	1.6	.000	.000		33		.003	.001	.004	.001
CAMERON (WATER WORKS DISTRICT#1)	.005	.0	.000	.001		434*		.002	.000	.018	.004
CAMERON (BAROID MUD CO.)	.000	.3	.000	.002		519*		.001	.001	.004	.001
CAMERON (MILCHEM COMPANY)	.000	.4	.000	.003		665*	.001	.003	.001	.005	
CAMERON (DRESSER-MAGCOBAR)	.000	.3	.000	.001		384*		.002	.001	.009	.001
CHALMETTE (ST.BERNARD WATER WORKS DIST.1)	.000	1.6	.000	.000		39		.000	.000	.007	.000
CONVENT (ST. JAMES WW DIST. NO.1)	.002	.1	.000	.001		38		.000	.000	.003	.000
EMPIRE (BURAS WATER WORKS)	.000	.7	.000	.005		39		.005	.001	.007	.000
GRAMERCY (COLONIAL SUGARS COMPANY)	.001	1.7	.000	.000		24		.001	.000	.005	.000
GRETNA	.000	1.7	.000	.000		35		.000	.001	.005	.000
HOUMA	.002	.4	.000	.000		61		.002	.000	.028	.000
LAFAYETTE	.000	.0	.000	.000		12		.000	.000	.000	.000
LAKE CHARLES HARBOR & TREATMENT DISTRICT	.000	.1	.000	< .005		48		.005	.000	.003	.004
LAKE CHARLES (CITIES SERVICE OIL CO.)	.000	.1	.000	.000		109		.006	.000	.061	.000
LAKE CHARLES(CONTINENTAL OIL CO.)WESTLAKE	.000	.1	.000	.005		59		.013	.000	.004	.002
LAKE CHARLES M.&T. DIST.-BULK COKE DOCKS	.000	.1	.000	.000		30		.002	.001	.010	.000

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 06

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														ARKANSAS
	3	.0	23		< .010	.07	58.5	< .010	80	< .020	7.40	< .001	93	0605306900720
	1		11			.08	17.0	.00	26	.00	8.80	< .001	53	0605323100660
	153	1.1	8		.036	.12	253.4	< .010	38	.008	8.10	< .001		0605403200540
	3	.2	7			.00	161.0	.000	178	.001	8.30	.001	204	0605427550260
		1.0	25			.10	64.0	.000	88	.000	6.80		165	0605465300160
	2	.9	0		.000	.05	6.0	.000	22	.013	8.00	.000	100	0605513000600
	15	.8	1			.18	28.0	< .010	28	.050	7.50	< .001	82	0605701100350
	3	.3	3		.010	.36*	92.0	.008	8	.050	7.70	.001		0605929700180
	153	1.1	25		.036	.36	253.4	.008	178	.050	8.80	.001	204	MAXIMUM
	1	.0	0		.000	.00	6.0	.00	8	.00	6.80	.000	53	MINIMUM
0	0	0	0	0	0	1	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	7	7	8	0	4	8	8	8	8	8	8	7	6	NO. ANALYZED
														8 STATE TOTAL
														LOUISIANA
	188	1.5	0		.090	.12	353.9	.000	0	.000	7.65		530*	0622014300400
	58	.4	0		.060	.80*	248.5	.040	211	.240*	7.48		428	0622046800230
	71	.1	8		.007	.00	133.1	.000	3	.000	8.70	.000	239	0622062400170
	71	.2	9		.004	.02	146.0	.010	8	.000	8.83	.000	219	0622062410170
	73	.0	8		.026	.28	25.4	.011	8	.000	8.91	.000		0622062420170
	71	.1	6		.039	.03	133.5	.000	0	.000	8.80	.000	183	0622062430170
	37	.2	71		.110	.06	44.0	.300	107	.000	8.71		218	0622074500380
	41	.0	59		.040	.06	89.4	.000	113	.000	9.09		243	0622087100510
	20	.2	61		.028	.14	6.3	.005	63	.000	8.65	< .301	103	0622104200380
	16	.2	71		.094	.06	46.6	.015	117	.000	9.70	.000	226	0622126704990
	372	.1	1		.210	.16	306.8	.000	130	.000	7.69	.000	1100*	0622136500120
		.1	1		.120	.08	323.5	.000	132	.000	7.40	.000	1011*	0622136510120
	1	.2			.000	.22	356.9	.000	159	.000	7.33	.000	1132*	0622136520120
		.1	2		.000	.08	310.1	.005	113	.000	7.62	.00	802*	0622136530120
	21	.5	63		.030	.04	63.5	.000	139	.000	10.25	.000	239	0622153410440
	109	.5	10		.260	.44*	217.9	.000	38	.080*	7.55	.000	356	0622189800470
	20	.4	57		.010	.13	46.4	.000	105	.000	9.62	.000		0622271710380
	15	.2	79		.024	.24	26.5	.000	114	.000	6.93	.000	240	0622367910470
	28	.2	72		.042	.24	31.1	.000	85	.000	9.62	.000		0622386100260
	45	.7	59		.254		28.9	.000	107	.000	7.14	.000	249	0622439400550
		.3	8		.010	.06	94.9	.000	82	.000	8.55		157	0622497900280
	39	.1	1		.420	3.12*	166.1	.010	129		7.30	.000	210	0622505710100
	60	.2	2		.460	1.68*	186.4	.015	167	.250*	7.35	.000	351	0622505720100
	50	.2	1		.000	2.90*	166.2	.000	129	.300*	6.41	.000	268	0622505730100
	37	.5	8		.030	.38*	161.7	.009	118	.230*	7.34	.002	249	0622505740100

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 06

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
LOUISIANA											
LOCKPORT (LAFOURCHE PARISH WW DIST NO.1)	.000	1.9	.000	.000		21		.000	.000	.004	.000
LULING (ST. CHARLES PARISH WATER DIST.#2)	.001	1.4	.000	.001		2		.002	.001	.009	.003
MADISONVILLE	.000	.0	.000	.005		12		.005	.000	.004	.002
MARRERO (WEST JEFFERSON DISTRICT 2)		1.4							.002		.003
MERMENTAU (ZIGLER SHIPYARD)	.000	.1	.00	.000		72		.006	.000	.006	.001
MERMENTAU (SBA SHIPYARD)	.000	.1	.000	.000		106		.008	.000	.008	.000
METAIRIE (E. JEFFERSON WW DIST. NO. 1)	.000	1.4	.145	.000		36		.000	.000	.000	.000
MONROE	.000	.2	.000	.000		14		.007	.000	.040	.001
MORGAN CITY	.006	1.0	.000	.000		28		.002	.000	.011	.000
NEW ORLEANS (CARROLLTON PLANT)	.000	5.2	.000	.000		26		.000	.005	.004	.000
NEW ORLEANS (ALGIERS PLANT)	.000	1.3	.000	.000		26		.004	.001	.006	.003
NEW SARPY (ST. CHARLES PARISH W DIST.#1)	.000	1.7	.000	.000		30		.000	.000	.003	.000
POINTE-A-LA-HACHE	.000	1.6	.000	.000		55		.001	.001	.005	.003
PORT ALLEN (PORT OF GREATER BATON ROUGE)	.003	.1	.000	.000		11		.003	.000	.008	.000
PORT ALLEN (CARGO CARRIERS)	.000	.1	.000	.000		7		.000	.000	.017	.000
PORT SULPHUR (FREEPORT SULPHUR CO)	.000	1.0	.000	.000		26		.000	.001	.017	.005
BELLE RIVER (ST.MARTIN PARISH WWD NO.2)	.006	1.0	.000	.000		28		.002	.000	.011	.000
MORGAN CITY (ST.MARY PARISH WWD NO.1)	.006	1.0	.000	.0		28		.002	.000	.011	.000
AMELIA (ST.MARY PARISH WWD NO.3)	.006	1.0	.000	.000		28		.002	.000	.011	.000
SHREVEPORT	.000	.1	.000	.000		62		.005	.001	.007	.008
WEEKS ISLAND (SHELL OIL COMPANY DOCK)	.000	.0	.000	< .005		306*		.019	.001	.005	.004
WESTLAKE (WESTLAKE ROCK CRUSHING PLANT)	.000	.2	.000	.005		44		.005	.001	.005	.004
WESTWEGO	.001	1.5	.000	.000		34		.003	.000	.010	.001
MAXIMUM	.006	5.2	.145	.005	.040	665	.001	.019	.005	.041	.009
MINIMUM	.000	.0	.00	.0	.040	2	.001	.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	5	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	47	47	47	47	1	47	1	46	48	47	47
STATE TOTAL 48											
NEW MEXICO											
ALBUQUERQUE						46					
ALBUQUERQUE (A.T. & S.F. RAILROAD)	.018	2.0	.090	.000		17		.000	< .005	.003	.000
ALBUQUERQUE (SOUTHEASTERN PUBLIC SERV.CO)	.020	.0				14		.010		.000	
FARMINGTON	.010	.1	< .999	< .010		17			.010	< .010	< .020
ROSWELL	.010	3.8	1.000	.005		140		.010		.000	.025

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RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 06

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														LOUISIANA
	14	.5	73		.004	.04	66.7	.000	109	.000	9.59	.000	205	0622548600290
	31	.7	62		.048	.18	13.3	.000	81	.000	9.21	.000	301	0622562910450
	61	.4	7		.000	.00	122.4	.000	0	.000	8.51	.000	199	0622570700520
	20		51		.000		73.9				10.10		198	0622586310260
		.3	3		1.110	.74*	204.3	.000	139	.08 *	6.88	.0	305	0622601950010
		.2	4		.790	.78*	219.3	.000	125	.080*	7.37	.000	369	0622601960010
	37	.7	75		3.436	.02	46.0	.000	106	.011	9.81	.000	203	0622605110260
		.0	19		.010	.10	47.8	.010	33	.000	7.10		113	0622617500370
	26	.2	37		.008	.02	106.7	.000	155	.000	8.23	.000	249	0622629200510
	24	.3	63		.005	.10	56.1	.000	111	.000	10.10	.000	195	0622656500360
	12	.2	46		.012	.20	47.6	.000	102	.000	9.97	.000	190	0622656600360
	20	.2	54		.037	.08	63.5	.000	117	.000	10.09	.000	252	0622659110450
	24	.5	50		.004	.00	97.2	.000	144	.000	10.55	.000	245	0622716400380
	92	.5	9		.016	.22	179.3	.000	2	.000	8.82	.000	249	0622720200610
	91	.2	9		.080	.12	119.4	.000	0	.000	9.11		227	0622720210610
	23	.1	52		.007	.08	40.2	.000	73	.000	10.07	.000	164	0622724100380
	26	.2	37		.008	.02	106.7	.000	155	.000	8.23	.000	249	0622782700500
	26	.2	37		.008	.02	106.7	.000	155	.000	8.23	.000	249	0622784100510
	26	.2	37		.008	.02	106.7	.000	155	.000	8.23	.000	249	0622784300510
		.3	20		.020	.02	42.3	.000	94	.000	7.60		222	0622795600090
	101	.1	3		2.170	13.20*	137.2	.017	242	.700*	6.73	.000	626*	0622922200230
	37	.2	2		.000	1.18*	154.9	.010	114	.250*	7.18	.000	257	0622925650100
	15	.4	57		.009	.12	105.8	.000	177	.000	9.02	.000	278	0622928200260
	372	1.5	79		3.436	13.20	356.9	.040	242	.700	10.55	.002	1132	MAXIMUM
	1	.0	0		.000	.00	6.3	.000	0	.000	6.41	.0	103	MINIMUM
0	0	0	0	0	0	10	0	0	0	9	0	0	6	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO. ANALYZED
0	41	47	47	0	48	46	48	47	47	46	48	39	45	48 STATE TOTAL
														NEW MEXICO
		.3	31	.05		.05	93.0		113	.050	7.30		512*	0635014700010
< .050	35	.5	45		.036	.01	116.0	.000	105	.000	7.60		312	0635014710010
	34	.7	40		.000	.12	124.0	.020	105	.010	8.30		315	0635014740010
	24	1.7	140		< .020	< .02	131.0	.007		< .050	8.10			0635298200240
.010	64	.5	493*	.05	.030	.16	115.0	.050	575	.050	8.10		1323*	0635741300030

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RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 06

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
NEW MEXICO											
MAXIMUM	.020	3.8	1.000	.005		140		.010	.010	.000	.025
MINIMUM	.010	.0	.090	.000		14		.000	.005	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	4	4	3	3	0	5	0	3	2	4	3
STATE TOTAL 5											
OKLAHOMA											
OKLAHOMA CITY						7					
OKLAHOMA CITY (OKLAHOMA TRANS. CO.), TULSA		.4				8					
MAXIMUM		.4				8					
MINIMUM		.4				7					
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	0	1	0	0	0	2	0	0	0	0	0
STATE TOTAL 3											
TEXAS											
ABILENE	< .005	< .4	< .200	< .007		84		< .020	< .001	< .300	< .010
AMARILLO	< .005	< .4	.200	< .005		286*		< .020	< .001	< .300	< .010
AUSTIN	< .005	1.5	< .100	< .005		63		< .020	< .001	< .200	< .010
BAYTOWN (HUMBLE OIL + REFINING CO.)	< .005	< .4	< .100	< .005		116		< .020	< .001	< .200	< .010
BEAUMONT	< .005	< .4	< .100	< .005		34		< .020	< .001	< .200	< .010
BROWNSVILLE	< .005	< .4	< .100	< .005		287*		< .020	< .001	< .300	< .010
BROWNSVILLE NAVIGATION DISTRICT	< .005	< .4	< .100	< .005		287*		< .020	< .001	< .300	< .010
CLEBURNE(ATCHISON,TOPEKA & SANTE FE R.R.)	< .005	1.5	< .200	< .005		38		< .020	< .001	< .200	< .010
CORPUS CHRISTI	< .005	1.1	< .200	< .005		208		< .030	< .001	.200	< .1107
DALLAS	< .005	< .4	< .200	< .005		30		< .020	< .001	< .200	< .010
DEER PARK (SHELL OIL CO. REFINERY)	< .005	< .4	< .100	< .005		39		< .020	< .001		< .010
DEER PARK (UNION EQUITY COOP. EXCHANGE)	< .005	< .4	< .200	< .007		40		< .040	< .001	.300	< .010
EL PASO	< .005	1.5	< .100	< .005		108		< .020	< .001	< .200	< .010
FORT WORTH	< .005	< .4	< .100	< .005		39		< .020	< .001	.299	< .010
FORT WORTH(GREATER SOUTHWEST INT.AIRPORT)	< .005	< .4	< .200	< .005		102		< .030	< .001	.100	< .010
FREEPORT	< .005	< .4	< .200	< .005		216		< .020	< .001	.200	< .010
FREEPORT (DOW CHEMICAL CO.)	< .005	4.5	.200	< .005		234		< .020	< .001	< .200	< .010

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RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 06

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														NEW MEXICO
.010	64	1.7	480	.05	.036	.16	131.0	.050	675	.050	8.30		1323	MAXIMUM
.010	24	.3	31	.05	.000	.01	93.0	.000	105	.000	7.30		312	MINIMUM
0	0	0	1	0	0	0	0	0	0	0	0	0	2	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
2	4	5	5	2	4	5	5	4	4	5	5	0	4	NO. ANALYZED
														5 STATE TOTAL
														OKLAHOMA
	7	.6	14			.04	29.0		39	2.000*	9.80		68	0640613800550
														0640613840550
	5	.8	4			< .01	90.0		99		7.70	< .005?	118	0640834900720
	7	.8	14			.04	90.0		99	2.000	9.80		118	MAXIMUM
	5	.6	4			.01	29.0		39	2.000	7.70	.005	68	MINIMUM
0	0	0	0	0	0	0	0	0	0	1	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	1	0	NO.FAILING ?
0	2	2	2	0	0	2	2	0	2	1	2	1	2	NO. ANALYZED
														3 STATE TOTAL
														TEXAS
	54	.4	77		1.500	.10	39.0	< .010	116	< .050	9.40	< .001	291	0648001502210
	270	1.0	274*		1.800	.13	162.0	< .010	258	< .050	7.70	< .001	1120*	0648022501880
	32	.3	36		.760	.13	45.0	< .020	100	< .020	10.10	.001	192	0648042002270
	213	1.4	24		1.200	.34*	333.0	< .020	56	< .030	8.30	< .001	780*	0648060011010
	22	.9	35		< .100	.04	28.0	< .020	69	< .050	7.60	< .001	151	0648061001230
	187	.6	298*		< .200	.20	120.0	.030	426	< .050	8.20	< .001	1070*	0648113000310
	187	.6	298*		< .200	.20	120.0	.030	426	< .050	8.20	< .001	1070*	0648113010310
	224	1.1	111		.800	.04	342.0	< .020	12	< .050	8.40	< .001	800*	0648181511260
	118	.9	73		.100	.08	90.0	< .020	207	< .080?	8.00	< .005?	590*	0648203001780
	20	.2	36		1.200	.13	43.0	< .020	83	< .050	7.50	< .001	168	0648227000570
	104	.7	13		.500	.06	217.0	< .020	56	< .050	8.40	< .001	440	0648233511010
		.6	12		.600	.10	215.0	< .010	79	< .050	8.10	.001	435	0648233521010
	115	.8	182		< .100	.24	32.0	< .020	128	< .050	9.20	< .001	480	0648284500710
	25	.8	30		1.300	.10	120.0	< .020	151	< .050	7.80	< .001	296	0648322002200
	322	2.4	113		.200	.17	445.0	< .020	14	< .050	8.30	< .001	1080*	0648322012200
	242	.4	< 4		2.200	.52*	338.0	< .020	114	< .050	7.70	< .005?	910*	0648327000200
	348	.6	< 4		.200	.62*	520.0	< .020	113	< .050	8.00	< .001	1260*	0648327010200

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RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 06

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
TEXAS											
FREEPORT (PHILLIPS PETROLEUM CO.)	< .005	3.5	.200	< .005		208		< .020	< .001	< .200	< .010
GALENA PARK	< .005	< .4	< .100	< .005		25		< .020	< .001	< .200	< .010
GALENA PARK (IDEAL CEMENT CO.)	< .005	< .4	< .100	< .005		27		< .020	< .001	< .200	< .010
GALENA PARK (HESS TERMINAL CORP.)	< .005	< .4	< .200	< .005		33		< .020	< .001	< .200	< .010
GALENA PARK (WARREN PETROLEUM CO.)	< .005	< .4	< .100	< .005		28		< .020	< .001	< .200	< .010
GALVESTON	< .005	< 4.0	.400	< .007		346*		< .004	< .001	< .300	< .010
HARLINGEN	< .005	1.5	< .200	< .005		293*		< .003	.002	< .100	< .010
HOUSTON	< .005	< .4	< .100	< .005		56		< .020	< .001	< .200	< .010
HOUSTON (PORT OF HOUSTON BULK DOCKS)	< .006	< .4	< .200	< .005		38		< .020	< .001	< .300	< .010
HOUSTON (MANCHESTER TERMINAL CO.)	< .005	.1	< .100	< .003		25		< .010	< .005	< .100	< .010
HOUSTON INTERCONTINENTAL AIRPORT	< .007	< .4	.200	< .005		45		< .020	< .001	< .200	< .010
INGLESIDE (SAN PATRICIO MUN. WATER DIST.)	.005	2.0	< .200	< .005		152		< .020	< .001	< .300	< .010
INGLESIDE	< .005	1.3	< .200	< .005		211		< .030	< .001	< .100	< .010
KILLEEN	< .005	< .4	< .300	< .005		42		< .020	< .001	.200	< .020
LAREDO		5.5				81					
LUBBOCK	< .005	< .4	.200	< .005		288*		< .020	< .001	< .300	< .010
LUBBOCK (LUBBOCK REGIONAL AIRPORT)	.007	6.0	< .200	< .007		51		< .040	< .001	< .300	< .010
MCALLEN	< .005	1.5	< .200	< .005		169		< .020	< .001	< .300	< .010
MIDLAND (MIDLAND-ODESSA REG.AIR TERMINAL)	.006	11.0	< .200	< .007		87		< .040	< .005	< .300	< .010
NEDERLAND	< .005	< .4	< .200	< .005		36		< .020	< .001	< .200	< .010
ORANGE	< .005	< .4	< .100	< .005		126		< .020	< .001	.400	< .010
PASADENA (ATLANTIC-RICHFIELD REFINING CO)	< .005	< .4	< .200	< .007		33		< .040	< .001	< .300	< .010
POINT COMFORT (ALCOA)	< .005	< .4	.200	< .005		144		< .020	< .001	< .200	< .010
PORT ARANSAS (NUECES COUNTY WCID NO.4)	< .005	1.3	< .200	< .005		211		< .030	< .001	< .100	< .010
PORT ARTHUR	< .005	1.0	< .200	< .002		27		< .020	< .001	.200	< .010
PORT ARTHUR (TEXAS CO.)	< .005	< .4	< .200	< .005		195		< .020	< .001	< .100	< .010
PORT ARTHUR (BRITISH PETROLEUM CO)	< .005	1.1	< .200	< .005		31		< .020	< .001	< .100	< .010
PORT ARTHUR (MFS-MOBIL M ID STRM WATR BRG											
PORT ARTHUR (MFS-WATER B ARGE #2)											
PORT ARTHUR (MFS-WATER B ARGE S-2)											
PORT ISABEL (CAMERON COUNTY FWSD NO. 1)	< .005	.9	< .200	< .005		1020*		< .030	< .001	.200	< .010
PORT NECHES (TEXAS CO.)	< .005	1.7	< .200	< .005		36		< .020	< .001	< .100	< .010
SAN ANGELO	< .005	< .4	< .200	< .005		285*		< .020	< .001	< .200	< .010
SAN ANTONIO	< .005	6.0	< .100	< .005		15		< .020	< .001	< .300	< .010
SANDERSON (TERRELL COUNTY WCID NO. 1)	< .005	8.0	< .200	< .005		15		< .020	.002	< .200	< .010
SMITH'S BLUFF (UNION OIL CO)	< .005	< .4	< .200	< .002		487*		< .020	< .001	< .100	< .010
SUN STATION (SUN OIL COMPANY)	< .005	1.0	< .200	< .002		203		< .020	< .001	< .100	< .010
TEMPLE	< .005	1.5	.200	< .007		38		< .040	< .001	< .300	< .010
TEMPLE (DRAUGHN MILLER AIRPORT)	< .005	< .4	< .200	< .005		214		< .020	< .001	< .200	< .010
TEXARKANA	< .005	2.5	< .200	< .005		36		< .020	< .001	< .200	< .010
TEXAS CITY (TEXAS CITY TERMINAL R.R. CO.)	< .005	1.5	< .200	< .002		192		< .020	< .001	< .100	< .010
TEXAS CITY (MONSANTO CHEMICAL CO.)	.005	1.0	.130	.000		110		.000	.005	.007	.000
WACO AIRPORT	< .005	1.5	< .200	< .005		37		< .020	< .001	< .200	< .010
WICHITA FALLS	< .005	< .4	< .200	< .005		98		< .040	< .001	< .300	< .010

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 06

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO. TEXAS
	318	.8	< 4		.200	.42*	510.0	< .020	119	< .050	8.10	< .001	1190*	0648327020200
	58	.5	15		.600	.10	191.0	< .020	119	< .050	8.20	< .001	374	0648337001010
	85	.5	12		.200	.06	198.0	< .020	64	< .050	8.30	< .001	389	0648337011010
	86	.6	12		.800	< .06	195.0	< .020	66	< .050	8.50	< .001	388	0648337021010
	64	.4	14		.500	< .06	189.0	< .020	104	< .050	8.20	< .001	374	0648337051010
	31	1.0	< 4		.700	< .06	273.0	< .010	92	< .050	7.80	.002	1030*	0648338000840
	207	.8	297*		< .100	< .02	88.0	< .020	378	< .050	8.00	< .001	1040*	0648389000310
	119	.8	5		.100	.24	240.0	< .020	63	< .050	8.40	< .001	493	0648414001010
	128	1.1	7		1.100	.10	243.0	< .010	26	< .050	8.10	< .001	479	0648414031010
	73	.9	1		< .100	< .04	253.0	< .010	116	< .050	7.90		415	0648414041010
	94	.7	7		1.400	1.80*	216.0	< .020	80	< .050	8.30	< .001	440	0648414051010
	83	.4	67		.500	.04	127.0	< .010	235	< .050	7.70	< .001	550*	0648430502050
	124	.5	88		< .100	< .02	149.0	< .020	281	< .050	8.20	< .001	710*	0648430512050
	24	.8	29		< .100	< .02	124.0	< .020	162	< .050	7.80	< .001	307	0648470000140
	80	.6	183			.02	120.0		260	.050	7.60		590*	0648495002400
	269	.9	281*	.00	1.200	.13	159.0	< .010	261	< .050	7.90	< .001	1120*	0648539501520
	55	2.2	81		1.200	.20	264.0	< .010	299	< .050	7.80	.001	610*	0648539701520
	122	.5	198		< .200	.22	93.0	< .010	277	< .050	7.90	< .001	700*	0648545501080
	67	1.1	132		.200	.10	220.0	< .010	339	< .050	7.60	< .001	690*	0648590011650
	44	.3	45		.200	< .04	39.0	< .020	40	< .050	9.00	< .001	183	0648627501230
	132	.6	< 4		< .100	.58*	155.0	< .020	47	< .050	7.90	< .001	464	0648665001810
	141	1.0	< 4		.600	.10	15.0	< .010	275	< .050	8.40	< .001	510*	0648684531010
	223	1.2	13		1.500	< .02	297.0	< .020	29	< .050	8.50	< .001	750*	0648715950290
	124	.5	88		< .100	< .02	149.0	< .020	281	< .050	8.20	< .001	710*	0648719001780
	32	.8	46		< .100	< .02	12.0	< .020	31	< .050	6.50	< .005?	133	0648719501230
	194	.5	< 4		.100	.48*	157.0	< .020	19	< .050	7.80	< .005?	590*	0648719511230
	27	.5	43		3.100	.13	4.0	< .020	35	< .050	6.00	< .005?	119	0648719521230
														0648719541230
														0648719551230
														0648719461230
	520	1.1	428*		< .100	< .02	141.0	< .020	870	< .050	8.10	< .005?	2430*	0648721000310
	42	.4	42		.200	.40*	38.0	< .020	44	< .050	7.90	< .005?	184	0648722511230
	154	.6	89		.600	.06	137.0	< .020	305	< .050	8.00	< .001	800*	0648797502260
	8	.2	14		.650	< .02	202.0	< .020	230	< .050	7.60	< .001	371	0648798000150
	10	.5	18		1.000	.06	191.0	< .030	219	< .050	8.10	< .001	363	0648801002220
	369	.7	< 4		.100	< .02	203.0	< .020	68	< .050	7.80	< .005?	1130*	0648843101230
	207	.9	< 4		1.600	.19	194.0	< .020	29	< .050	7.70	< .001	660*	0648875651230
	21	.6	31		.800	.04	91.0	.010	129	< .050	7.60	.002	249	0648888500140
	379	2.2	192		.800	.22	363.0	< .020	34	< .050	8.20	< .001	1240*	0648888510140
	23	.4	44		< .100	< .02	83.0	< .030	130	< .050	8.10	< .001	255	0648891800190
	173	.7	52		.300	.36*	168.0	< .020	108	< .050	7.90	< .001	660*	0648893010840
.005	41	.3	75		.010	.06		.000		.006	8.60	.000	397	0648893020840
	227	.6	121		< .100	.04	349.0	< .020	18	< .050	8.60	< .001	810*	0648939511550
	59	.5	18		1.200	.06	55.0	< .010	82	< .050	9.60	< .003?	254	0648972002430

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 06

LOCATION		ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
TEXAS												
MAXIMUM		.007	11.0	.400	.000		1020		.000	.005	.400	.000
MINIMUM		.005	.1	.100	.000		15		.000	.001	.007	.000
NO. FAILING *		0	0	0	0	0	9	0	0	0	0	0
NO. FAILING $		0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?		0	0	0	0	0	0	0	0	0	0	1
NO. ANALYZED		57	58	57	57	0	58	0	57	57	56	57
STATE TOTAL	61											
MAXIMUM		.020	11.0	1.000	.010	.040	1020	.001	.019	.010	.400	.025
MINIMUM		.000	.0	.00	.0	.040	2	.001	.000	.000	.000	.000
NO. FAILING *		0	0	0	0	0	14	0	0	0	0	0
NO. FAILING $		0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?		0	0	0	0	0	0	0	0	0	0	1
NO. ANALYZED		113	116	107	111	1	120	1	114	107	114	111
REGION TOTAL	125											

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 06

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.	
														TEXAS	
.005	520	2.4	428	.00	3.100	1.80	520.0	.030	870	.050	10.10	.002	2430	MAXIMUM	
.005	8	.2	1	.00	.010	.02	4.0	.000	12	.006	6.00	.000	119	MINIMUM	
0	0	0	6	0	0	9	0	0	0	0	0	0	30	NO.FAILING *	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $	
0	0	0	0	0	0	0	0	0	0	1	0	9	0	NO.FAILING ?	
1	57	58	58	1	57	58	57	57	57	58	58	56	58	NO. ANALYZED	
														61	STATE TOTAL
.010	520	2.4	480	.05	3.436	13.20	520.0	.050	870	2.000	10.55	.002	2430	MAXIMUM	
.005	1	.0	0	.00	.000	.00	4.0	.00	0	.00	6.00	.0	53	MINIMUM	
0	0	0	7	0	0	20	0	0	0	10	0	0	38	NO.FAILING *	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $	
0	0	0	0	0	0	0	0	0	0	1	0	10	0	NO.FAILING ?	
3	111	119	120	3	113	119	120	116	118	118	121	103	115	NO. ANALYZED	
														125	REGION TOTAL

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 07

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
IOWA											
CEDAR RAPIDS	< .010	1.4	< .100	< .010		25		< .010	< .005	< .010	.000
CEDAR RAPIDS (CEDAR RAPIDS AIRPORT)	< .010	< .1	.400	< .010		1		< .010	< .005	< .010	.000
DAVENPORT	.010	8.3	.100	.010		16		.010		.010	
DES MOINES	< .005	29.9	< .050	.000		24		.000	< .005	.000	.000
DUBUQUE	< .010	1.0	< .100	< .010		18		< .010	< .005	< .010	.000
FORT MADISON	< .010	4.7	< .010	< .010		25		< .010		< .010	
MASON CITY	< .005	1.2	.340	.000		6		.000	< .005	.063	.000
OTTUMWA	.010	5.3	.100	.010		27		.010		.010	
WATERLOO	< .010	12.0	.200	< .010		17		< .010	< .005	< .010	.000
MAXIMUM	.010	29.9	.400	.010		27		.010		.063	.000
MINIMUM	.005	.1	.010	.000		1		.000	.005	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	9	9	9	9	0	9	0	9	6	9	6
STATE TOTAL 9											
KANSAS											
EMPORIA	< .010	2.2		.006		15		.000	.003	.193	.002
GARDEN CITY (GARDEN CITY AIRPORT)	< .010	12.4	< .100	.000		21		.000	.004	.044	.000
MISSION (WATER DIST. NO.1, JOHNSON CO.)		2.7				59					
LIBERAL	< .010	10.0	< .100	.000		15		.000	.004	.013	.000
MANHATTAN (MANHATTAN MUN. AIRPORT)	< .005	5.3	< .050	.001		12		.000	< .005	.156	.000
NEWTON	< .007	8.0		.000		18		.000	< .002	.010	.000
TOPEKA	< .005	1.8	< .050	.000		159		.006	< .005	.009	.000
WICHITA	< .005	1.5	< .050	.002	.300*	120	1.700	.002	< .005	.005	.000
WICHITA AIRPORT	< .005	2.4	.100	.003	.100	48	.300	.000	< .005	.190	.000
MAXIMUM		12.4	.100	.006	.300	159	1.700	.006	.004	.193	.002
MINIMUM	.005	1.5	.050	.000	.100	12	.300	.000	.002	.005	.000
NO. FAILING *	0	0	0	0	1	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	8	9	6	8	2	9	2	8	8	8	8
STATE TOTAL 9											
MISSOURI											
CABOOL (MID-AMERICA DAIRYMEN, INC.)	< .005	< 1.0	< .050	.000	.030	< 10	.000	.000	< .005	.000	.000
CAPE GIRARDEAU	< .004	4.0	.000	< .010		29		< .004	.010	.030	.008

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 07

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														IOWA
< .050	12	1.0	54	.05	.040	.01	46.0	< .010	108	.010	8.30	.000	170	0719150300570
< .050	6	.4	17	.05	.020	.05	266.0	< .010	268	< .010	7.30	.000	295	0719150310570
	6	.9	81		.040	.04		.010	188	.010	6.90		279	0719223200820
.000	35	.9	68	.03	.008	.02	44.0	.000	108	.000	9.00	.000	240	0719241200770
< .050	10	.8	35	.05	.010	< .01	86.0	< .010	124	< .010	8.75	.000	196	0719261000310
	10	1.0	31		.020	.25	94.0	< .010	144	< .010	8.50		224	0719324000560
	36	.6	76	.03	.050	.08	342.0	.000	350	.006	7.80	.000	419	0719576000170
	48	.5	120		.010	.01	54.0	.010	108	.020	8.70		294	0719695700900
.000	7	1.0	49	.04	.013	.02	200.0	< .010	264	< .010	7.20	.000	314	0719935100070
.000	48	1.0	120	.05	.050	.25	342.0	.010	350	.020	9.00	.000	419	MAXIMUM
.000	6	.4	17	.03	.008	.01	44.0	.000	108	.000	6.90	.000	170	MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO. ANALYZED
5	9	9	9	6	9	9	8	9	9	9	9	6	9	9 STATE TOTAL
														KANSAS
	20	.8	47	.08	.009	.06	76.0	.021	100	.000	8.40		169	0720292600560
		1.0	154		.021	.12		.000		.003	7.70		512*	0720335510280
	43	1.0	90	1.30*		.02	62.0		140	.000	7.90		297	0720457800460
	30	.2	59	.11	.076	.03	182.0	.000	207	.000	7.80		320	0720521400880
	36	.1	17	1.10*	.030		350.0	.000	296	.000	7.00	.000	414	0720564310810
	33	.1	35	.34	.009	.00	194.0	.000	184	.000	6.90		304	0720650100400
	133	1.1	135	2.20*	.005	.22	52.0	.000	112	.000	9.50	.000	511*	0720893200890
	97	.4	70		.059	.08	80.0	.007	104	.004	8.30	.000	384	0720971300870
	110	.3	30	.84*	.100	.02	248.0	.000	100	.000	7.20	.000	394	0720971310870
	133	1.1	154	2.20	.100	.22	350.0	.021	296	.004	9.50	.000	512	MAXIMUM
	20	.1	17	.08	.005	.00	52.0	.000	100	.000	6.90	.000	169	MINIMUM
0	0	0	0	4	0	0	0	0	0	0	0	0	2	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO. ANALYZED
0	8	9	9	7	8	8	8	8	8	9	9	4	9	9 STATE TOTAL
														MISSOURI
< .020	2	.5	< 25	< .25	.030	.01		.000		.000	7.40	< .001	249	0729118401070
< .004	29	.7	80	.10	.020	.06	163.0	< .020	230	.000	8.20	.000	397	0729128400160

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-79

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 07

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
MISSOURI											
HERMANN	< .004	.2	< .100	.000				< .004	< .010	< .010	.000
JEFFERSON CITY	< .004	4.2	< .020	< .005		23		< .004	< .010	< .010	< .005
JOPLIN	< .004	2.5	.000	< .010		9		< .004	< .010	.060	< .008
KANSAS CITY	.000		.000	.000		23		.000	.000	.000	.000
ST. LOUIS	< .005	10.0	< .050	.000	.400*	18	1.400	.000	< .005	.003	.000
ST. LOUIS (ST. LOUIS COUNTY WATER CO.)	< .005	9.0	< .050	.000	.700*	19	1.800	.000	< .005	.025	.000
SPRINGFIELD	< .004	2.4	< .050	.000		11		< .004	< .010	< .010	.020
MAXIMUM	.000	10.0	.000	.000	.700	29	1.800	.000	.010	.060	.020
MINIMUM	.000	.2	.000	.000	.000	9	.000	.000	.000	.000	.000
NO. FAILING *	0	0	0	0	2	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	9	8	9	9	3	8	3	9	9	9	9
STATE TOTAL 9											
NEBRASKA											
LINCOLN	.008	2.0	.100	.003		14		.000	.003	.100	
MCCOOK		24.0				20					
NEBRASKA CITY	.010	2.0	.100	.000		20		.000	.002	.000	.003
OMAHA	.000	2.0	.100	.001	.065	27		.000	.004	.000	.003
GERING (SCOTTS BLUFF COUNTY AIRPORT)											
MAXIMUM	.010	24.0	.100	.003	.065	27		.000	.004	.100	.003
MINIMUM	.000	2.0	.100	.000	.065	14		.000	.002	.000	.003
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	3	4	3	3	1	4	0	3	3	3	2
STATE TOTAL 5											
MAXIMUM	.010	29.9	.400	.010	.700	159	1.800	.010	.010	.193	.020
MINIMUM	.000	.1	.000	.000	.000	1	.000	.000	.000	.000	.000
NO. FAILING *	0	0	0	0	3	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	29	30	27	29	6	30	5	29	26	29	25
REGION TOTAL 32											

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 07

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														MISSOURI
< .004	5	.2	25		< .010	.15	238.0	.005	244	.000	7.50	.000	312	0729365400370
< .004	38	1.0	124		.010	.04	18.0	< .005	118		9.30	.000	360	0729415800260
< .004	4	.1	16	.00	.030	.01	103.0	< .010	128	.000	7.20	.000	213	0729418800490
		.3	183		.000	.00	59.0	.000	134	.010	9.80	.000	367	0729421800480
< .020	14	1.1	30	< .25	.014	.06	44.0	.000	117	.000	9.60	< .001	155	0729714001150
< .020	14	1.1	50	< .25	.025	.02	56.0	.000	119	.000	7.00	< .001	175	0729714100950
< .004		.1	12	.00	< .010	.08	142.0	< .001	162	.000	7.90	.000	214	0729753000390
	38	1.1	183	.10	.030	.15	238.0	.005	244	.010	9.80	.000	397	MAXIMUM
.004	2	.1	12	.00	.000	.00	18.0	.000	117	.000	7.00	.000	155	MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
8	7	9	9	6	9	9	8	9	8	8	9	9	9	NO. ANALYZED
														9 STATE TOTAL
														NEBRASKA
		1.1	105		.000	.00		.000		.000	7.70		390	0731516000550
	104	.7	60			.00	364.0		340	.000	7.70		530*	0731541500730
		.9	154		.000	.00	124.0	.000	192	.040	8.20		408	0731619500660
		1.0	105		.000	.30	70.0	.000	150	.010	9.20		341	0731664500280
														0731810010790
	104	1.1	154		.000	.00	364.0	.000	340	.040	9.20		530	MAXIMUM
	104	.7	60		.000	.00	70.0	.000	150	.000	7.70		341	MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	1	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	1	4	4	0	3	4	3	3	3	4	4	0	4	NO. ANALYZED
														5 STATE TOTAL
.000	133	1.1	183	2.20	.100	.25	364.0	.021	350	.040	9.80	.000	530	MAXIMUM
.000	2	.1	12	.00	.000	.00	18.0	.000	100	.000	6.90	.000	155	MINIMUM
0	0	0	0	4	0	0	0	0	0	0	0	0	3	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
13	25	31	31	19	29	30	27	29	28	30	31	19	31	NO. ANALYZED
														32 REGION TOTAL

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 08

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
COLORADO											
ASPEN	.000	.0	.000	.000		7		.000	.000	.000	
ANTONITO	.000	.0		.000		7		.000	.000	.000	
AURORA	.000	.0		.000		35		.000	.000	.000	
BOULDER	.000	.0		.000		11		.000	.000	.000	
COLORADO SPRINGS	.000	18.0		.000		13		.000	.000	.370	
DENVER	.000	.0		.000		35		.000	.000	.000	
DENVER (BURNHAM YARD)	.005	1.0	.050	.000		10		.000	.005	.023	.000
DURANGO	.000	.0		.000		6		.000	.000	.050	
GRAND JUNCTION	.000	.0		.000		9		.000	.000	.000	
LA JUNTA	.000	9.0	.050	.000		67		.000	.010	.240	.004
PUEBLO	< .005		< .050	.005		115		.000	.004	.280	.000
GRAND JUNCTION (UTE WATER CONSERVANCY D.)	.000	.0		.000		8		.000	.000	.000	
MAXIMUM	.005	18.0	.050	.005		115		.000	.010	.370	.004
MINIMUM	.000	.0	.000	.000		6		.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	12	11	4	12	0	12	0	12	12	12	3
STATE TOTAL 12											
MONTANA											
ANACONDA (BUTTE WATER COMPANY)											
BILLINGS	< .010		.046	< .0167				< .008	.008	< .008	< .016
BUTTE (BUTTE WATER COMPANY)	< .010	1.9		.000		4		.000	.004	.021	.001
GLENDIVE	< .005	< 1.0	< .050	.000		22		.000	< .005	.031	.000
GREAT FALLS	< .010	< 1.0	< .050	.001		11		.000	< .002	.015	.000
HAVRE	< .010	1.0	< .100	.001		9		< .009		.026	.005
LIVINGSTON	< .010	.8	.047	< .0167		12		< .030	< .002	.009	.017
MISSOULA (MONTANA POWER COMPANY)	< .005	< 1.0	< .050	.000	<	10		.000	< .005	.008	.000
MISSOULA AIRPORT	< .005	1.8	< .050	.000	<	1		.000	< .010	.026	.000
WHITEFISH (BURLINGTON NORTHERN RAILROAD)	< .005	< 1.0	.050	.000	<	10		.000	< .005	.003	.000
MAXIMUM		1.9	.050	.001		22		.000	.008	.031	.017
MINIMUM	.005	.8	.046	.000		1		.000	.002	.003	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	2	0	0	0	0	0	0	0
NO. ANALYZED	9	8	8	9	0	8	0	9	8	9	9
STATE TOTAL 10											

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 08

CYANIDE .2*	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														COLORADO
.000		.9		.00	.000	.00	108.0	.000	212	.000			255	0808043200490
	2	.1	5	.00	.000	.00	52.0	.000	51	.000			80	0808025200110
		1.3	38	.00	.000	.02	84.0	.000	110	.000			208	0808048700010
	1	1.0	10	.00	.000	.05	16.0	.000	28	.000			40	0808088200070
	32	.9	40	.00	.100	.10	76.0	.000	89	.000		.000	205	0808181800210
	25	.8	40	.00	.000	.05	72.0	.000	92	.000			185	0808235800160
	71	1.1	25	.05	.320	.03		.000		.003	7.70	< .001	179	0808235810160
	.2	1.1	9	.00	.100	.10	68.0	.000	94	.000			106	0808257400340
	26	1.1	125	.00	.000	.00	80.0	.000	103	.000			287	0808383400390
	215	1.3	990*	.00	.090	.00	276.0	.000	974	.000	7.90	< .005?	1885*	0808529200450
	29		183	.02	.011	.01		.018		.012	7.70	.000	421	0808745200510
	2	.6	15	.00	.000	.00	36.0	.000	51	.000			65	0808917000390
.000	215	1.3	990	.05	.320	.10	276.0	.018	974	.012	7.90	.000	1885	MAXIMUM
.000	1	.1	5	.00	.000	.00	16.0	.000	28	.000	7.70	.000	40	MINIMUM
0	0	0	1	0	0	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	1	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
1	10	11	11	12	12	12	10	12	10	12	3	4	12	NO. ANALYZED
														12 STATE TOTAL
														MONTANA
														0830016200120
														0830077400560
< .005		.5		< .03	< .016	.03		< .032		.042	8.10			
< .004		< .1	26	.03	.120	.08		.003		.005	7.60		116	0830122400470
	170	.6	260*	< .05	.005	< .01	133.2	.000	60	.011	7.80	< .001	498	0830349200110
		.8	50	< .05	.005	.03		.014		.000	8.10	< .001	264	0830363600070
		.2	94	< .05	.009	.02		.000		.002	6.90	< .005?	269	0830387000210
< .005		.6	50	< .03	< .016	< .01		< .030	208	< .008	8.10		220	0830507600340
	1	< .1	< 25	< .05	.026	.04		.000		.000	6.80	< .001	29	0830579600320
		< .1	< 1	< .05	.014	.00		.000		.000	7.40	.000	91	0830579610320
	1	< .1	25	< .10	.080	.01		.000		.000	7.60	< .001	93	0830914450150
	170	.8	260	.03	.120	.08	133.2	.014	208	.042	8.10	.000	498	MAXIMUM
.004	1	.1	1	.03	.005	.00	133.2	.000	60	.000	6.80	.000	29	MINIMUM
0	0	0	1	0	0	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	1	0	NO.FAILING ?
3	3	9	8	9	9	9	1	9	2	9	9	6	8	NO. ANALYZED
														10 STATE TOTAL

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 08

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
NORTH DAKOTA											
BISMARCK		6.0				18					
FARGO	.004	6.0	.049	.000		15		.000	.003	.049	.000
GRAND FORKS	< .005	< 1.0	< .050	.000		11		.000	.002	.052	.000
MANDAN		6.0				15					
MINOT		6.0				45					
MAXIMUM	.004	6.0	.049	.000		45		.000	.003	.052	.000
MINIMUM	.004	1.0	.049	.000		11		.000	.002	.049	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	2	5	2	2	0	5	0	2	2	2	2
STATE TOTAL 5											
SOUTH DAKOTA											
RAPID CITY	< .007	< 5.0		.000	.100	3	1.500	.000	< .002	.020	.000
RAPID CITY AIRPORT	< .007	< 5.0		.000		13		.000	.005	.009	.000
SIOUX FALLS	.005	< .5	.049	.000		36		.000	.003	.016	.000
MAXIMUM	.005		.049	.000	.100	36	1.500	.000	.005	.020	.000
MINIMUM	.005	.5	.049	.000	.100	3	1.500	.000	.002	.009	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	3	3	1	3	1	3	1	3	3	3	3
STATE TOTAL 3											
UTAH											
OGDEN	.000	5.0	.000	.000		3		.000	.000	.000	.000
OGDEN (OGDEN UNION RAILWAY & DEPOT CO.)	.010		.031	.009				.005	.002	.008	.009
SALT LAKE CITY		9.8				38					
MAXIMUM	.010	9.8	.031	.009		38		.005	.002	.008	.009
MINIMUM	.000	5.0	.000	.000		3		.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	2	2	2	2	0	2	0	2	2	2	2
STATE TOTAL 3											

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 08

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														NORTH DAKOTA
	30	1.1	155			.06	75.0		120	.000	9.30		377	0838094600080
	0	1.1	22	.07	.005	.04	60.0	.000	100	.000	8.50	< .005?	171	0838305600090
		1.0	78	.05	.005	.00		.000				< .005?	212	0838380800180
	20	1.1	160			.02	55.0		120	.000	9.00		373	0838580800300
	75	1.3	138			.03	160.0		90	.000	8.80		515*	0838628800510
	75	1.3	160	.07	.005	.06	160.0	.000	120	.000	9.30		515	MAXIMUM
	0	1.0	22	.05	.005	.00	55.0	.000	90	.000	8.50	.005	171	MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	1	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	2	0	NO.FAILING ?
0	4	5	5	2	2	5	4	2	4	4	4	2	5	NO. ANALYZED
														5 STATE TOTAL
														SOUTH DAKOTA
< .005		.3	51	< .05	.006	< .01		.014		.000	8.20		254	0846714600510
< .005		.3	441*	.06	.018	.01		.014		.000	7.90		383	0846714610510
		1.2	260*	.05	.006	.12		.003		< .050	7.50	< .005?	464	0846786600490
		1.2	441	.06	.018	.12		.014		.000	8.20		464	MAXIMUM
.005		.3	51	.05	.006	.01		.000		.000	7.50	.005	254	MINIMUM
0	0	0	2	0	0	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	1	0	NO.FAILING ?
2	0	3	3	3	3	3	0	3	0	3	3	1	3	NO. ANALYZED
														3 STATE TOTAL
														UTAH
	4	.1	9		.590	.00	106.0	.000	122	.020	7.20	.000	144	0849649400290
.005		.0		.03	.053	.01		.019		.005	7.90			0849649410290
	20	.4	144			.05	213.0		368	.002	7.60		524*	0849778600180
.005	20	.4	144	.03	.590	.05	213.0	.019	368	.020	7.90	.000	524	MAXIMUM
.005	4	.0	9	.03	.053	.00	106.0	.000	122	.002	7.20	.000	144	MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	1	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
1	2	3	2	1	2	3	2	2	2	3	3	1	2	NO. ANALYZED
														3 STATE TOTAL

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 08

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
WYOMING											
CASPER	.010	1.0	.000	.001	.050	21		.005	.008	.160	.001
CHEYENNE		.3				5					
GREEN RIVER (PACIFIC POWER & LIGHT)	.007	.5	.500	.001		12		.010		.010	
MAXIMUM	.010	9.8	.500	.009	.050	38		.010	.008	.160	.009
MINIMUM	.000	.3	.000	.000		3		.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	4	5	4	4	1	5	0	4	3	4	3
STATE TOTAL 6											
MAXIMUM	.010	18.0	.500	.009	.100	115	1.500	.010	.010	.370	.017
MINIMUM	.000	.0	.000	.000	.100	1	1.500	.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	2	0	0	0	0	0	0	0
NO. ANALYZED	32	34	21	32	2	35	1	32	30	32	22
REGION TOTAL 39											

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 08

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														WYOMING
.000		.5	215	.00	.012	.00	192.0	.014	214	.004	8.20		516*	0856155800130
		.3				.20			58	.100*	7.40		80	0856167200110
.008	30	.3	121	.01	.020	.08		.010	215	.050	7.60		338	0856402800190
.008	30	.5	215	.03	.590	.20	213.0	.019	368	.100	8.20	.000	524	MAXIMUM
.000	4	.0	9	.00	.012	.00	106.0	.000	58	.002	7.20	.000	80	MINIMUM
0	0	0	0	0	0	0	0	0	0	1	0	0	2	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	5	NO. ANALYZED
3	3	6	4	3	4	6	3	4	5	6	6	1		6 STATE TOTAL
.008	215	1.3	990	.07	.590	.20	276.0	.019	974	.100	9.30	.000	1885	MAXIMUM
.000	0	.0	1	.00	.000	.00	16.0	.000	28	.000	6.80	.000	29	MINIMUM
0	0	0	4	0	0	0	0	0	0	1	0	0	5	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	5	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	35	NO. ANALYZED
10	22	37	33	30	32	38	20	32	23	37	28	15		39 REGION TOTAL

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 09

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
ARIZONA											
LAKE HAVASU CITY (L.HAVASU IRR.& D.DIST)	.010	2.0		.010		192		.010	.010	.050	.010
PHOENIX	< .050	4.7		.001		108		.001	< .010	< .020	
TUCSON	< .010	9.0		< .010		19		< .010	< .010	< .050	< .001
TUCSON (AIRPORT AUTHORITY)		4.0				36		< .010			
WINSLOW		< 1.0				272*		< .010			
YUMA	.010	2.0				128		.010		.050	
MAXIMUM	.010	9.0		.010		272		.010	.010	.050	.010
MINIMUM	.010	1.0		.001		19		.001	.010	.020	.001
NO. FAILING *	0	0	0	0	0	1	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	4	6	0	3	0	6	0	6	3	4	2
STATE TOTAL 6											
CALIFORNIA											
ANTIOCH		.7				110					
ARCATA (HUMBOLDT COUNTY AIRPORT)		3.0				14					
AVILA BEACH(SAN LUIS OB. CO SERV.AREA 12)		.3				22					
BAKERSFIELD (CALIF. WATER SERVICE CO.)	.000	3.0				11		.001	.002	.006	
BARSTOW (SOUTHERN CALIF. WATER CO.)				.001				.000		.100	.000
BENICIA		< .4		< .001		67		< .002		< .002	
BURBANK		1.6	< .100	< .010		52			< .005	.000	
BURBANK	.010	8.9	.000	.001		24			.000	.000	.000
BURLINGAME	.001	< .1	< .200	< .001	.049	1		< .005		.000	.001
EL CENTRO	.000	5.9	.000	.000		118		.018	.001	.010	.005
EL SEGUNDO	< .010	.9	.100	< .010	.100	100		< .002	< .010	.060	< .001
EL SEGUNDO (WELL #3)		2.3				153					
EL SEGUNDO (MWD N. CALIF.WATER)			< .100	< .010					< .005	.000	
EUREKA	< .006	.2	< .200	.010		3		< .010	< .010	< .050	< .020
FAIRFIELD		.9				8					
FORT BRAGG	.000	1.8	< .100	< .010		13		< .050	.000		
FRESNO		12.4				18					
INGLEWOOD	< .010	1.9	< .002	< .010	.109	108		< .003	.008	.070	< .001
INGLEWOOD	.000	5.0		.000					.003	.080	.000
LONG BEACH	.009	.7	.000	.001		63		< .002	.000	.020	.001
CITY OF LONG BEACH	< .010	1.9	< .002	< .010	.109	108		< .003	.008	.070	< .001
LOS ANGELES	.020	.8	< .100	< .010	.042	14		< .001	< .010	.300	.000
LOS ANGELES (L.A. RIVER SUP. CONDUIT)	.010	6.1	< .100	< .010	.033	37		.003	< .010	.200	< .000
LOS ANGELES (L.A. RIVER SOF S.CAL)	< .010	2.1	.100	< .010		105		< .003	< .010	.060	< .001
MARTINEZ	.000	6.3		.00		68					
MILLBRAE	< .001	.1	< .010	< .001		9		< .001	.001	.040	.010
MODESTO	.000	12.3				52					

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 09

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														ARIZONA
	174	.8	300*	.50	.100	.05	180.0	.050	372	.050	7.90	.001	800*	0904456000080
< .020	52	.3	44			< .02	92.0	.012	146		7.50	< .001	428	0904636400070
	47	.8	114		< .050	< .05	176.0	< .050	232	< .050	7.70	< .001	335	0904888000100
	30	.3	92				152.0		212				360	0904888030100
	174	.2	115			< .05			344		7.60		770*	0904958300090
	148	.4	351*			.05	140.0		373	.010	7.75		851*	0904984200140
	174	.8	351	.50	.100	.05	180.0	.050	373	.050	7.90	.001	851	MAXIMUM
.020	30	.2	44	.50	.050	.02	92.0	.012	146	.010	7.50	.001	335	MINIMUM
0	0	0	2	0	0	0	0	0	0	0	0	0	3	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
1	6	6	6	1	2	5	5	3	6	3	5	3	6	NO. ANALYZED
														6 STATE TOTAL
														CALIFORNIA
	71	1.0	51			.06	64.0		123	< .010	7.90		328	0906025800070
	12	.1				.50*	18.7		19	.050	7.00		78	0906030100120
	25	.3	98				205.0	.020	316	.008	6.86		400	0906043100400
	20	.2	16		.005	.00	92.0	.002	88	.000	7.50		165	0906046200150
					.000	.00		.000		.000				0906051600360
	63	.3	87		< .002	< .01	191.0	< .004	247	< .020	7.70	.001	432	0906062400480
< .006	51	.4	113		.030		99.0	< .010	179	< .010	8.30	< .001	355	0906102600191
.000	46	.6	49	.02	.010	.06	189.0	.010	209	.000	7.59	.001	320	0906102600190
< .010	3	1.0	1		.010	.01	14.0	.025	11	< .010	9.40	< .002	17	0906103200410
.000	125	.6	364*	.00	.007	.06	143.0	.050	418	.001	7.80	.000	902*	0906238800130
< .006	113	.4	330*	< .05	< .030	.06	122.0	< .010	353	< .010	8.20	< .000	751*	0906246000190
	84	.5	60			.15	265.0		310	.050	7.50		723*	0906246000191
< .006					.000			< .010		< .010		< .001		0906246000192
< .060	3	< .1	7	< .01	.050	< .05	59.5	< .010	65	.050	7.10	< .002	81	0906256200120
	9	.8	20			.21	7.0		149	.020	8.50			0906258000480
.000	10	.2	4	.01		.02	72.0	< .010	57	.000	7.01	.000		0906280800230
	31	.1	6			.00	195.2		127	.000	7.60		243	0906288600100
< .005	224	.4	339*	< .02	< .040	.01	123.0	< .010	312	.020	8.07	< .001	809*	0906368400190
	112	.8	161		.060	.32*		.010	293	.180*	7.70		868*	0906368400191
.000	131	.4	173	.03	.800	.01	129.0	.000	153	.000	8.15	< .001	493	0906448200190
< .005	224	.4	339*	< .02	< .040	.01	123.0	< .010	140	.020	8.07	< .001	809*	0906448200191
< .006	33	.6	28	< .05	< .010	.05	113.0	< .010	82	< .010	8.36	.000	199	0906453000190
< .006	49	.5	110	< .05	< .045	.02	141.0	< .010	200	< .010	7.97	< .000	384	0906453000191
< .006	216	.4	338*	< .05	< .030	.01	126.0	< .010	151	< .010	8.17	< .000	802*	0906453000192
	55	1.3	96			.08	70.0	.002	122	.002	7.70	.000	372	0906478200070
< .010		.9	10		.010	.04	32.0	.010	48	< .010	7.30		72	0906493800410
	42	.1	21			.00	186.0		169	.000	7.60		303	0906513400500

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RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 09

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
CALIFORNIA											
MONTEREY (CALIF.-AMERICAN WATER CO.)		.0				21				.080	
OAKLAND (EAST BAY M.U.D.)	< .010	< .1	< .100	< .002		6		< .005	< .002		< .005
ONTARIO											
PITTSBURG						62					
PORT COSTA(CONTRA COSTA CO. WATER DIST.)	< .002	1.1		< .001		960*				< .01	
PORT HUENEME		.0				61					
PORT HUENEME (WELL 6A)		.0				44					
PORT HUENEME(STROUBE STREET STATION)		.0				63					
RED BLUFF	< .010	3.0				5					
REDWOOD CITY	.001	2.6	< .200	< .001	.049	1		< .005		.000	.001
ROSEVILLE	< .002	.2				5					
SACREMENTO	< .010			< .010		7		< .010	< .0507	< .050	.0
SALINAS (CALIF. WATER SERVICE CO.)	.004	2.7	.100	.000		128		.003	.000	.020	
SAN BERNARDINO											
SAN DIEGO		.7		< .002		103		< .010		.009	< .002
SAN FRANCISCO	< .001	1.7	< .500	< .005				< .020	< .010	.072	< .010
SAN JOSE	.000	10.0	.100	.000		25		.000	.006		
SAN LUIS OBISPO	.002	.0	< .100	< .010		32		< .050	.000	< .100	
SANTA BARBARA		.3				18					
STOCKTON(CALIF. WATER SERVICE)	.040	3.0	.200	.001		46		.001	.003	.050	
TRACY	.000	21.0			.003	115					
VISALIA (CALIF. WATER SERVICE CO.)	.000	5.0				9		.002	.000		
WEST SACRAMENTO (WASH. WATER & LIGHT CO.)	< .010	< .1	< .010	< .010		78		< .010	< .010		< .010
MAXIMUM	.040	21.0	.200	.010	.109	960		.018	.008	.300	.010
MINIMUM	.000	.0	.000	.00	.000	1		.000	.000	.000	.0
NO. FAILING *	0	0	0	0	0	1	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	1	0	0
NO. ANALYZED	31	44	23	30	8	44	0	26	25	27	20
STATE TOTAL 50											
HAWAII											
HILO	< .005	.9	< .100	< .001		6			< .010	< .020	< .010
HONOLULU	< .010	1.5				80		< .010	< .010	< .020	
KAHULUI	< .005	2.9	< .300	< .001		42		< .005	< .010	< .020	< .010
KAHULIU (KAHULIU HARBOR)	< .005	.6	< .300	< .001		8		< .005	< .010	< .020	< .010
PORT ALLEN	< .005	2.7	< .100	< .001		187		< .005	< .010	< .020	< .010

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INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 09

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														CALIFORNIA
	20	.4	65			.09	106.0		134	.000	8.00		227	0906510600270
< .010	7	< .1	13	< .05	.010	< .01	40.0	< .020	48	< .005	8.50	< .0507	79	0906550800010
														0906565200360
		.9	38				60.5		102		7.60		160	0906608400070
	66	.8	52			< .01	58.0	.003	106		8.00	< .001	321	0906619800070
	89	.5	384*	.00		.43*	204.0		496	.280*	7.40		915*	0906621000560
	88	.7	374*			1.20*	201.0		454	.100*	7.10		905*	0906621000561
	.99		418*		2.240		56.2		710		9.15			0906621000562
	18	.1	3	< .01		.10	110.0	< .010	85	< .050	7.80		190	0906634800520
< .010	3	.0	1	.00	.010	.01	14.0	< .025	11	< .010	9.40	.002	17	0906637800410
	2	.6	15			.01	24.0		32	< .025	8.80	< .002	60	0906662400310
		.0	10	< .01	< .050	.03	49.0	< .010	54	< .0607	8.70	< .0107		0906667800340
	70	.3	90		.040	.00	200.0	.000	350	.000	7.45	.000	650*	0906670200270
														0906674400360
	111	.2	303*		< .002	.02	124.0	< .017	318	.010	8.20	.001	747*	0906676800370
< .010	12	< .1	19	.13	.145	.07	86.9	< .010	102	.015	7.50	< .001	143	0906678600380
	30	.1	25	.00	< .050	.04	200.0	.000	200	.000	7.50	.000	450	0906683400430
.005	33	.9	14	.04	.110	.03		.040		.000	7.49	.000		0906687000400
	44	.4	313*			.00	168.0		410	.000	7.90		705*	0906694200420
	41	.2	4		.100	.05	140.0	.001	80	.050	8.30		280	0906752400390
	86	.2	105			.20	136.0		240	.020	8.00		549*	0906788400390
	14	.0	7		.050	.00	98.0	.000	89	.000	8.02		149	0906819600540
	38	.1	6			.16	178.0	.020	162	.300*	7.70		450	0906838800570
.005	224	1.3	418	.13	2.240	1.20	265.0	.050	710	.300	9.40	.002	915	MAXIMUM
.000	2	.0	1	.00	.000	.00	7.0	.000	11	.000	6.86	.000	17	MINIMUM
0	0	0	10	0	0	4	0	0	0	4	0	0	13	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	1	0	2	0	NO.FAILING ?
19	43	45	45	19	29	43	44	24	45	45	46	26	41	NO. ANALYZED
														50 STATE TOTAL
														HAWAII
	4	< .1			.010	.06		< .005		< .030			40	0915190000010
.003	41	.1	13			< .20	53.0	< .020	90	< .020	7.95		270	0915240000020
	35	.1	20		.050	< .02	66.0	< .005	110	< .030			256	0915290000050
	10	.1	3		.010	< .02	33.0	< .005	32	< .030			96	0915290000051
	47	< .1	37		.150	.03	55.0	< .005	320	< .030			674*	0915835000040

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RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 09

LOCATION		ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
HAWAII												
MAXIMUM			2.9				187					
MINIMUM		.005	.6	.100	.001		6		.005	.010	.020	.010
NO. FAILING *		0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $		0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?		0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED		5	5	4	4	0	5	0	4	5	5	4
STATE TOTAL	5											
NEVADA												
LAS VEGAS (LAS VEGAS VALLEY W. DIST.)			3.3				91					
RENO(SIERRA PACIFIC POWER CO.)		.000	.1				4				.030	
RENO (SIERRA PACIFIC POW ER CO.)	N	.000	.1				4				.030	
MAXIMUM		.000	3.3				91				.030	
MINIMUM		.000	.1				4				.030	
NO. FAILING *		0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $		0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?		0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED		2	3	0	0	0	3	0	0	0	2	0
STATE TOTAL	3											
MAXIMUM		.040	21.0	.200	.010	.109	960		.018	.010	.300	.010
MINIMUM		.000	.3	.000	.00	.000	1		.000	.000	.000	.0
NO. FAILING *		0	0	0	0	0	2	0	0	0	0	0
NO. FAILING $		0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?		0	0	0	0	0	0	0	0	1	0	0
NO. ANALYZED		42	58	27	37	6	58	0	36	33	38	26
REGION TOTAL	64											

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RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
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CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														HAWAII
					.150	.06	66.0		320		7.95		674	MAXIMUM
.000	47	.1	37		.010	.02	33.0	.005	32	.020	7.95		40	MINIMUM
.000	4	.1	3											
0	0	0	0	0	0	0	0	0	0	0	0	0	1	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	1	0	5	NO. ANALYZED
1	5	5	4	0	4	5	4	5	4	5				5 STATE TOTAL
														NEVADA
						.00	132.0		343		7.89		742*	093248810020
	92	.3	274*			.03	24.0		82		7.42		119	0932728000160
		.1	30	.00		.03	24.0		82		7.40		119	0932728000161
		.1	30	.03										
						.03	132.0		343		7.89		742	MAXIMUM
	92	.3	274	.03		.00	24.0		82		7.40		119	MINIMUM
	92	.1	30	.00										
	0	0	1	0	0	0	0	0	0	0	0	0	1	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	3	0	3	NO. ANALYZED
0	1	3	3	2	0	3	3	0	3	0				3 STATE TOTAL
.005	224	1.3	418	.50	2.240	1.20	265.0	.050	710	.300	9.40	.002	915	MAXIMUM
.000	2	.0	1	.00	.000	.00	7.0	.000	11	.000	6.86	.000	17	MINIMUM
0	0	0	13	0	0	4	0	0	0	4	0	0	18	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	1	0	2	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	1	0	2	0	NO. ANALYZED
21	55	59	58	22	35	56	56	42	58	53	55	29	55	64 REGION TOTAL

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 10

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
ALASKA											
ADAK (U.S. NAVY)						13					
ANCHORAGE	.000	2.0	.000	.000		1				.000	.002
COLD BAY (FAA)	.000	3.6	.000	.000		18		.000	.000	.110	.000
FAIRBANKS		.0				3					
FAIRBANKS INTERNATIONAL AIRPORT	.003	.0	.300	.000		0		.010	.000	.100	.005
FAIRBANKS (SALLY'S CATERING)	.000		.000	.001		48		.000	.002	.030	.000
JUNEAU						5					
JUNEAU INTERNATIONAL AIRPORT											
KETCHIKAN		.1				8					
KETCHIKAN (KETCHIKAN PULP CO.)						1					
KODIAK	.000		.000	.000				.000	.000	.010	
NOME	.000	.8	.000	.000		3		.000	.000		.000
VALDEZ		2.0				8				.200	
MAXIMUM	.003	3.6	.300	.001		48		.010	.002	.200	.005
MINIMUM	.000	.0	.000	.000		0		.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	6	7	6	6	0	11	0	5	5	6	5
STATE TOTAL 13											
IDAHO											
BOISE (BOISE WATER CORPORATION)	.004	2.7	.049	.000		9		.000	.001	.012	.000
IDAHO FALLS	.002	7.0	.150	.002		16		.004	< .002	.004	.002
LEWISTON ORCHARDS IRRIGATION DISTRICT	.002	.4	.093	< .001	.000	11		.002	< .002	.002	< .001
MAXIMUM	.004	7.0	.150	.002	.000	16		.004	.001	.012	.002
MINIMUM	.002	.4	.049	.000	.000	9		.000	.001	.002	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	3	3	3	3	1	3	0	3	3	3	3
STATE TOTAL 3											
OREGON											
ASTORIA	.005	.3	.013	.002	.067	8		.001		.120	.000
BEND	.022	.0	.010	< .001		0		.002	.002	.005	.000
COOS BAY-NORTHBEND	< .005	.4	< .050	< .005		29		< .050	< .005	< .100	< .020
EUGENE	.005	.0	.050	.005		4		< .050	.005	.100	.020

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 10

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														ALASKA
			3			.03	18.0		18	.000	7.30		42	1002003000030
.000	2	.1	14	.00	.000	.23	40.0	.007	52	.020	7.40		68	1002031200030
.000	18	.2	0	.00	.160	.02	85.0	.000	70	.000	8.40		148	1002182500040
		1.0	30			.00	78.0		118		8.50		240	1002276900040
.000		.4		.00	.100	.04	159.0	.001	157	.460*	7.60		192	1002276910040
	15	.0	3		1.400	12.00*	231.0	.016	260	1.400*	6.80	.001	339	1002276930040
		.1	23		.200		56.0		81	.020	6.60		86	1002417300010
		.1	6			.03	282.0		90		8.40		125	1002417310010
		.1	1			.04	7.0		0		6.40		12	1002456300010
									2	.020	5.90			1002456310010
.000		.3			.100		13.0	.010	16	.170*	7.60		89	1002491400030
	2	.0	7			.01	126.0	.000	131	.010	8.00	.002	145	1002635700020
		.3	10			.00	59.0		76	.040	7.80		88	1002936000030
.000	18	1.0	30	.00	1.400	12.00	282.0	.016	260	1.400	8.50	.002	339	MAXIMUM
.000	2	.0	0	.00	.000	.00	7.0	.000	0	.000	5.90	.001	12	MINIMUM
0	0	0	0	0	0	1	0	0	0	3	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO. ANALYZED
4	4	11	10	3	6	10	12	6	13	10	13	2	12	13 STATE TOTAL
														IDAHO
		.2	25	.04	.030	.03		.000		.000	7.50	.000	58	1016092500010
< .010	17	.0	35	.02	.035	.03	244.0	.030	264	.010	7.50	< .002	360	1016450000100
	5	.1		< .02	.029	.16	58.0	.012	50	.020	8.30	.001	140	1016532600350
	17	.2	35	.04	.035	.16	244.0	.030	264	.020	8.30	.001	360	MAXIMUM
.010	5	.0	25	.02	.029	.03	58.0	.000	50	.000	7.50	.000	58	MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
1	2	3	2	3	3	3	2	3	2	3	3	3	3	NO. ANALYZED
														3 STATE TOTAL
														OREGON
														1041041600040
.000	6	.9	3	.02	.100	.03	6.0	.000	160	.030	6.50			1041073600090
< .010	3	.2	< 1	< .03		.03	19.0	.005	10	.030	7.00	.004$	65	1041180900060
< .050	38	.9	1	< .10	< .100	< .03	111.0	< .010	70	< .030	7.70	.001	214	1041284800200
< .050	3	.2	3	.10	.100	.03	19.0	.010	21	.030	7.00	.001	70	

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 10

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
OREGON											
FLORENCE	< .005	.0	< .050	< .005		< 16		< .050	< .005	< .100	< .020
KLAMATH FALLS (OREGON WATER CORPORATION)	< .005	.2	< .050	< .005		5		< .050	< .005	< .100	< .020
MEDFORD	< .005	.1	< .050	< .005		< 2		< .050	< .005	< .100	< .020
NEWPORT	.005	.6	.050	.005	.100	15	.400	< .050	.005	.100	.020
PORTLAND	< .005	< .1			.100	2					
ROSEBURG (OREGON WATER CORPORATION)	< .005	.1	< .050	< .005		3		< .100?	< .005	< .100	< .200?
MAXIMUM	.022	.6	.050	.005	.100	29	.400	.002	.005	.120	.020
MINIMUM	.005	.0	.010	.001	.067	0	.400	.001	.002	.005	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	1	0	0	1
NO. ANALYZED	10	10	9	9	3	10	1	9	8	9	9
STATE TOTAL 10											
WASHINGTON											
ABERDEEN		1.4				3					
ANACORTES						3					
BELLINGHAM	.002	.2	.030	< .001		5		.003		.010	< .001
EDMONDS	< .002			.001				< .002		.034	< .001
EVERETT	.008	.1		< .001		3		.001		.012	< .001
FERNDALE (MOBIL OIL CORPORATION)	.006	.4	.050	< .001		3		.004		.024	< .001
FERNDALE (ARCO - CHERRY POINT REFINERY)	< .002	.1	.040	< .010				< .020	.007		.010
LONGVIEW	.006	.3	< .010	< .001		4		< .002		.008	< .001
LONGVIEW (WEYERHAEUSER COMPANY)	.002	.2	.025	.002		11				.045	< .001
LONGVIEW (REYNOLDS METALS COMPANY)	.010	.1	.060	< .002		20		.001		.005	.001
OLYMPIA		6.1				5					
EDMONDS (OLYMPIC VIEW WATER DIST. NO.1)	< .002			.002				.002	.003	1.320*	< .001
PASCO		.0				6					
PORT ANGELES	< .002	.0		< .001				.005		.008	< .001
RAYMOND	.002	.3	.025	< .001		10		.006		.180	< .001
SEATTLE	.000	.0	.000	.009		1		.000	.000	.000	.000
SEATTLE (SOUTH FORK TOLT RIVER)				.000		1				.002	
SEATTLE (S.FORK TOLT RIVER)	.000	.0	.000			2		.000	.000	.030	.000
SPOKANE	< .002	9.0	.150	.002		13		< .002	.009	.020	< .001
SPOKANE COUNTY-CITY AIRPORT	< .002	1.8	.060	.002		7		< .002	.003	.002	< .001
TACOMA	.000	.3	.040	.000		1		.000	.000	.020	.005
VANCOUVER		4.3				3					
VANCOUVER (PORT OF VANCOUVER)						7					
WALLA WALLA CITY-COUNTY AIRPORT	.010	.2	.005	.004	.011	5		.002	.010	.007	.001

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 10

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														OREGON
< .050	27	.7	0	.10	< .100	< .03	60.0	< .010	23	< .030	7.20	< .001	128	1041296000200
< .050	22	.2	2	< .10	< .100	.03	90.0	< .010	46	< .030	7.80	< .001	151	1041457600180
< .050	4	.2	0	< .10	< .100	< .03	44.0	< .010	34	< .030	7.30	< .001	99	1041540800150
.050	8	1.1	20	.10	.100		2.0	.010	27	.030	5.80	.001		1041609600210
	1	< .1	2			.12	10.0		7	< .010	6.80		40	1041678400260
.050	3	.2	1	.10	< .100	.10	20.0	< .010	20	< .030	7.00	.002	47	1041726400100
.050	38	1.1	20	.10	.100	.12	111.0	.010	160	.030	7.80	.004	214	MAXIMUM
.000	1	.1	0	.02	.100	.03	2.0	.000	7	.010	5.80	.001	40	MINIMUM
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	1	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
9	10	10	10	9	8	9	10	9	10	10	10	8	8	NO. ANALYZED
														10 STATE TOTAL
														WASHINGTON
	3	.2	8			.14	40.0		24	.002	7.10		46	1053002800140
		1.0					30.0		16		7.10			1053036400290
< .010	3	.2	16	< .02	< .010	.02	50.0	< .005	100	.004	7.15	.004$ <	86	1053061600370
					.720	.17		< .005		.005				1053250600310
< .010	1	.1	2	.02	.018	.26	58.0	.005	16	.007	7.30	.001	47	1053277200310
< .010		.1	30	.02	.220	.68*	85.0	.005	116	.037	6.70	< .001 <	132	1053288410370
	11				.380	.50*		.050		< .020		.002		1053288420370
< .010	4	1.2	13	< .02	.097	.12	114.0	.015	124	.006	6.80	.002	207	1053467600080
< .010	8	.3	17	< .02	.015	.26	54.0	< .005	60	.003	7.30	.001	99	1053467620080
< .010	18	.3	295*	.02	.050	.43*	194.0	< .005	184	.210*	7.40	.001	245	1053467630080
	8	.1	18			.07	58.0		84	.003	7.30		130	1053614600340
	1				.230	.24		.015		.030				1053614700310
	5	.1	12			.16	62.0		98	.009	7.10			1053652400110
	2	.1	12			.75*	60.0	.005	80	.003	7.00	.003$	87	1053669200050
	6	.1	0	< .02	.330	.24	75.0	.040	72	.009	6.90	.000	31	1053701400250
.000	2	.0	1	.00		.07	20.0	.000	26	.000	7.00	.000	28	1053761600170
		.0			.000	.17	5.3	.001	7	.018	6.70			1053761600171
.000	1	.0	2	.00	.036	.16	5.0	.000	7	.000	6.60	.000	24	1053761600171
	5	.3	26		.190	.03	134.0	.010	184	.004	7.85	.001		1053805000320
	9	.4	14		.010	.02	148.0	< .005	112	.002	8.00	.001	257	1053805010320
.000	2	.1	1			.07	26.8	.020	11	.010	7.20	.000		1053833000270
	8	.1	22			.01	74.0		56	.006	6.50		123	1053882000060
		.1	23			.10	87.0		106	.020	7.00		160	1053882010060
.000	13	.4	7	.06	.040	.26	92.0	.008	72	.003	7.70		115	1053896010360

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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RUN DATE 10-31-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 10

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
WASHINGTON											
MAXIMUM	.010	9.0	.150	.009	.011	20		.006	.010	1.320	.010
MINIMUM	.000	.0	.000	.000	.011	1		.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	1	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	0	0	0	0
NO. ANALYZED	17	19	13	17	1	20	0	16	8	17	17
STATE TOTAL 24											
MAXIMUM	.022	9.0	.300	.009	.100	48	.400	.010	.010	1.320	.020
MINIMUM	.000	.0	.000	.000	.000	0	.400	.000	.000	.000	.000
NO. FAILING *	0	0	0	0	0	0	0	0	0	1	0
NO. FAILING $	0	0	0	0	0	0	0	0	0	0	0
NO. FAILING ?	0	0	0	0	0	0	0	1	0	0	1
NO. ANALYZED	36	39	31	35	5	44	1	33	24	35	34
REGION TOTAL 50											

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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES
REGION NO. 10

CYANIDE .2$	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														WASHINGTON
.003	18	1.2	295	.06	.720	.75	194.0	.050	184	.210	8.00	.004	257	MAXIMUM
.000	1	.0	0	.00	.000	.01	5.0	.000	7	.000	6.50	.000	24	MINIMUM
0	0	0	1	0	0	4	0	0	0	1	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	2	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
10	19	21	19	10	15	23	21	18	21	23	21	14	16	NO. ANALYZED
														24 STATE TOTAL
.050	38	1.2	295	.10	1.400	12.00	282.0	.050	264	1.400	8.50	.004	360	MAXIMUM
.000	1	.0	0	.00	.000	.00	2.0	.000	0	.000	5.80	.000	12	MINIMUM
0	0	0	1	0	0	5	0	0	0	4	0	0	0	NO.FAILING *
0	0	0	0	0	0	0	0	0	0	0	0	3	0	NO.FAILING $
0	0	0	0	0	0	0	0	0	0	0	0	0	0	NO.FAILING ?
24	35	45	41	25	32	45	45	36	46	46	47	27	39	NO. ANALYZED
														50 REGION TOTAL

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
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RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES

LOCATION	ARSENIC .05$	NITRATE 45*	BARIUM 1.0$	CADMIUM .01$	CCE .2*	CHLORIDE 250*	CAE	CHROMIUM .05$	SELENIUM .01$	COPPER 1.0*	SILVER .05$
NATIONAL											
MAXIMUM	.040	44.0	1.000	.010	.700	1020	2.200	.100	.010	3.800	.040
MINIMUM	.000	.0	.00	.0	.000	0	.000	.000	.000	.0	.00
NO. FAILING *	0	0	0	0	6	17	0	0	0	2	0
NO. FAILING $	0	0	0	0	0	0	0	2	0	0	0
NO. FAILING ?	0	0	0	12	0	0	0	5	1	0	3
NO. ANALYZED	501	582	405	541	47	641	19	535	344	555	411
NATIONAL TOTAL 702											

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
? INDICATES A POSSIBLE FAILURE BECAUSE THE MIN DETECTABLE LIMIT IS HIGHER THAN THE DWS LIMIT

RUN DATE 10-01-73

RESULTS OF CHEMICAL ANALYSES FOR
INTERSTATE CARRIER WATER SUPPLIES

CYANIDE .2*	SODIUM	FLUORIDE	SULFATE 250*	ABS .5*	ZINC 5*	IRON .3*	ALKAL	LEAD .05$	HARDNESS	MANGANESE .05*	PH	MERCURY .002$	TDS 500*	ID NO.
														NATIONAL
.150	520	2.4	990	2.20	9.600	13.20	520.0	.060	974	2.000	10.55	.005	2430	MAXIMUM
.000	0	.0	0	.00	.000	.00	.0	.00	0	.0	5.00	.0	12	MINIMUM
0	0	0	27	5	1	65	0	0	0	46	0	0	75	NO.FAILING *
0	0	0	0	0	0	0	0	1	0	0	0	6	0	NO.FAILING $
0	0	0	0	1	0	1	0	8	0	8	0	32	0	NO.FAILING ?
237	486	633	592	282	523	652	611	544	625	623	654	389	575	NO. ANALYZED
														702 NATIONAL TOTAL

NOTE: * INDICATES VALUE FAILING THE DWS RECOMMENDED LIMIT
$ INDICATES VALUE FAILING THE DWS MANDATORY LIMIT
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UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Regional Offices	Phone	States Covered
Boston, Massachusetts 02203	617-223-7210	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont
New York, New York 10007	212-264-2525	New Jersey, New York, Puerto Rico, Virgin Islands
Philadelphia, Pa. 19106	215-597-9800	Delaware, Maryland, Pennsylvania, Virginia, West Virginia, D.C.
Atlanta, Georgia 30309	404-526-5727	Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee
Chicago, Illinois 60606	312-353-5250	Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin
Dallas, Texas 75202	214-749-1962	Arkansas, Louisiana, New Mexico, Oklahoma, Texas
Kansas City, Missouri 64106	816-374-5493	Iowa, Kansas, Missouri, Nebraska
Denver, Colorado 80203	303-837-3895	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
San Francisco, Calif. 94102	415-556-2320	Arizona, California, Hawaii, Nevada, American Samoa, Guam, Trust Territories of Pacific Islands, Wake Island
Seattle, Washington 98101	206-442-1220	Alaska, Idaho, Oregon, Washington